

7. Housing and energy

Living conditions highlighted in this chapter are housing and access to related services. These are indicators of the degree to which households are living in humane and modern conditions.

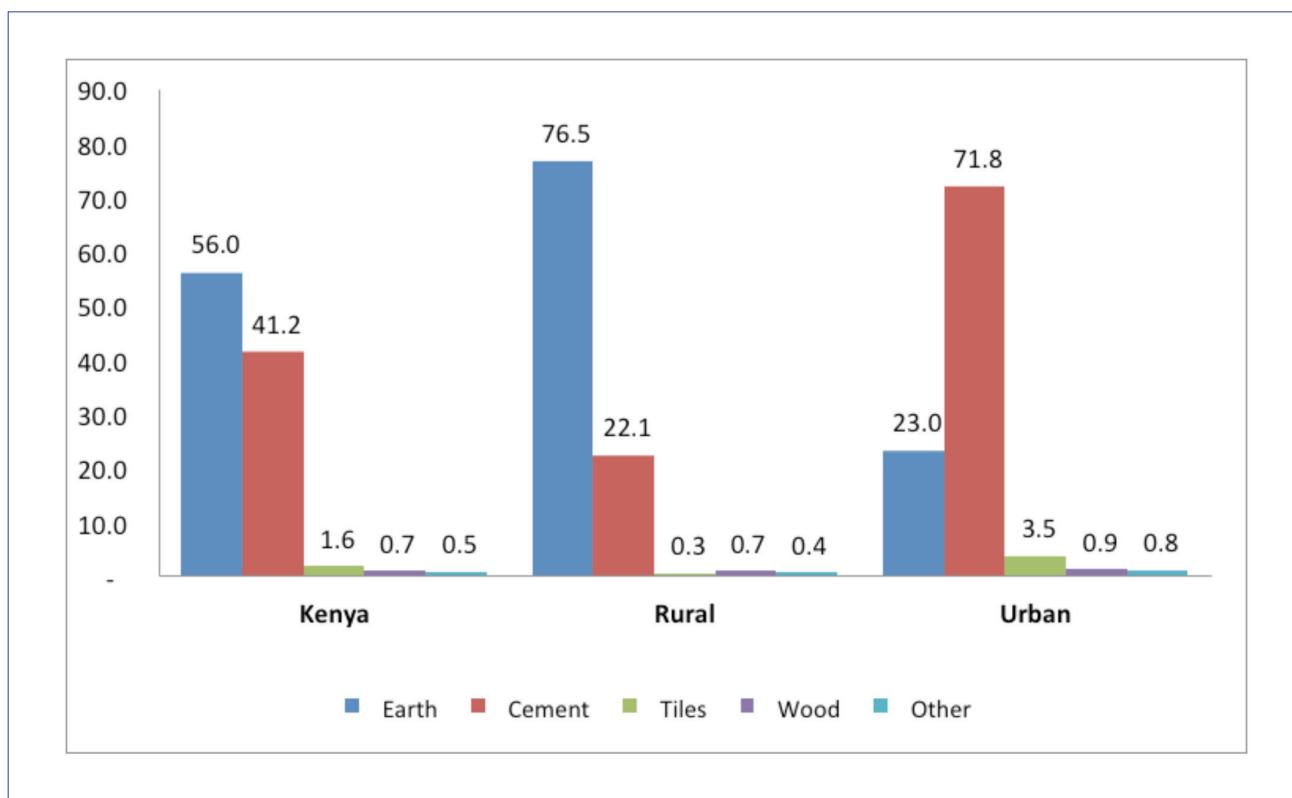
6.1 Housing

Housing conditions are often used as indicators of income due to the level of household resources that are used in acquisition of homes and in repairs and maintenance of dwelling units. Housing conditions have implications for provision of other services such as connections to water supply, electricity, and waste disposal and other sanitation services. Low provision of these essential services leads to higher incidence of diseases, fewer opportunities for business services, and lack of a conducive environment for learning. Materials used in the construction of dwelling units are an indicator of housing conditions and the extent to which they protect occupants from the elements and other environmental hazards. Availability of materials, costs, weather and cultural conditions have a major influence on the type of materials used in different localities. In the context of this chapter, the housing conditions considered are floor, roofing and wall materials of household dwelling units.

6.1.1 Type of floor material

The predominant materials used for flooring in Kenyan households are earth (56.0 percent) and cement (41.2 percent). There are marked variations in the use of various flooring materials between urban and rural areas. Cemented flooring is in 71.8 percent of urban dwelling units compared with 22.1 percent in rural areas (see figure 6.1).

Figure 6.1: Percentage use of flooring material by households



In both male and female headed urban households, cement is used by 72.9 percent and 69.0 percent respectively. Rural dwelling units are three times less likely to have cemented floors compared with urban dwellings irrespective of household headship. Tiles and wood use is minimal (see table 6.1).

Table 6.1: Percentage materials used for floor

Name	Cement	Tiles	Wood	Earth	Other	HHs
Kenya	41.2	1.6	0.7	56.0	0.5	8,493,380
Rural	22.1	0.3	0.7	76.5	0.4	5,239,879
Urban	71.8	3.5	0.9	23.0	0.8	3,253,501
Male headed	Cement	Tiles	Wood	Earth	Other	Households
Kenya	42.8	1.6	0.8	54.2	0.6	5,762,320
Rural	22.1	0.3	0.7	76.4	0.4	3,413,616
Urban	72.9	3.5	0.9	21.9	0.8	2,348,704
Female headed	Cement	Tiles	Wood	Earth	Other	Households
Kenya	37.7	1.4	0.7	59.8	0.5	2,731,060
Rural	22.2	0.3	0.6	76.6	0.3	1,826,263
Urban	69.0	3.6	0.9	25.8	0.8	904,797

The incidence of cemented flooring in households by county (see table 6.2) is highest in Nairobi County at 82.3 percent compared with Turkana County at 6.5 percent. Other counties with a high use of cement as floor material include Mombasa (80.7 percent) and Kiambu (74.6 percent). In Wajir and Mandera Counties, less than 10 percent of households have cemented floors. The differences in use of modern flooring material are indicative of differences in access to resources coupled with lifestyle differences.

Table 6.2: Percentage main floor material used in households by county

Cement		Tiles		Wood		Earth		Other	
Top 10 Counties									
Nairobi	82.3	Nairobi	6.7	Meru	2.1	Wajir	92.1	Mombasa	4.5
Mombasa	77.1	Mombasa	4.6	Nairobi	1.9	Mandera	91.7	Taita-Taveta	1.6
Kiambu	74.7	Kajiado	3.6	Baringo	1.7	Turkana	91.4	Nyandarua	1.2
Machakos	58.3	Kiambu	2.2	Nyeri	1.6	Tana River	88.4	Kilifi	1.2
Kajiado	57.2	Uasin-Gishu	1.7	Nyandarua	1.5	West Pokot	85.9	Lamu	0.9
Nakuru	50.8	Machakos	1.6	Laikipia	1.0	Narok	84.1	Nandi	0.9
Uasin-Gishu	46.2	Kisumu	1.6	Turkana	1.0	Samburu	83.0	Marsabit	0.9
Makueni	45.5	Nakuru	1.2	Elgey-Marakwet	0.9	Marsabit	82.0	Garissa	0.8
Taita-Taveta	42.8	Kilifi	1.1	Tharaka Nithi	0.9	Kakamega	80.4	Trans-Nzoia	0.6
Kisumu	42.2	Laikipia	0.6	Nakuru	0.8	Vihiga	79.4	Uasin-Gishu	0.6
Median County									

Siaya	28.8	Siaya	0.4	Vihiga	0.4	Isiolo	69.9	Baringo	0.4
Bottom 10 Counties									
Vihiga	19.6	Marsabit	0.3	Bungoma	0.3	Kisumu	55.3	Laikipia	0.3
Kakamega	18.4	Narok	0.2	Tana River	0.3	Taita-Taveta	54.6	Bungoma	0.2
Marsabit	16.6	Bomet	0.2	Taita-Taveta	0.3	Makueni	53.5	Isiolo	0.2
Samburu	16.0	Elgeyo-Marakwet	0.2	Marsabit	0.3	Uasin-Gishu	50.8	Migori	0.2
Narok	14.5	Turkana	0.2	Kilifi	0.3	Nakuru	46.8	Busia	0.2
West Pokot	13.1	Samburu	0.2	Wajir	0.2	Machakos	39.8	Tharaka Nithi	0.2
Tana River	10.7	West Pokot	0.2	Mombasa	0.2	Kajiado	38.5	Kitui	0.2
Mandera	7.4	Tana River	0.2	Makueni	0.2	Kiambu	22.5	Makueni	0.2
Wajir	7.2	Mandera	0.1	Machakos	0.2	Mombasa	13.6	Kiambu	0.1
Turkana	6.9	Wajir	0.1	Kwale	0.2	Nairobi	8.8	Machakos	0.1

The incidence of cemented floors is higher in male headed households than in female headed households. The top three counties with the highest incidence of cemented floors in male and female headed households are Nairobi (82.6 percent for male headed and 81.2 percent for female headed households), Mombasa (77.2 percent for male headed and 76.8 percent for female headed households) and Kiambu (75.5 per percent for male headed and 72.8 percent for female headed households), (see table 6.3). This reflects an average difference of two percent in the leading three counties between male and female headed households. The incidence of cemented floors is lowest in Turkana, Mandera and Wajir. Overall, the lowest incidence of cemented floors is in female headed households in Turkana County at 5.6 percent, while in male headed households, it is in Wajir County at 6.4 percent. The incidence of cement flooring in Nairobi for female headed households is 14 times that in Turkana, while for male headed households is 12 times that in Wajir County.

Table 6.3: Materials used for floor by county and household head

Diff = Difference

County	Cement			Tiles			Wood			Earth			Other						
	Male	Female	Diff	County	Male	Female	County	Male	Female	County	Male	Female	Diff	County	Male	Female	Diff		
Top 10 Constituencies																			
Kajado	62.1	46.4	15.7	Kajiado	3.9	2.9	1.0	Meru	2.2	1.7	0.5	Garissa	76.0	64.5	11.5	Taita-Taveta	2.0	1.0	1.0
Kisumu	46.8	34.2	12.5	Machakos	1.9	1.2	0.7	Baringo	1.8	1.5	0.3	Kirinyaga	61.5	55.7	5.8	Lamu	1.0	0.7	0.3
Kwale	31.2	23.6	7.6	Kiambu	2.4	2.0	0.4	Elgey-Marakwet	1.0	0.8	0.2	Mandera	92.7	87.7	5.0	Samburu	0.6	0.3	0.3
Samburu	19.4	12.2	7.2	Kisumu	1.7	1.4	0.4	Nyeri	1.7	1.5	0.2	Wajir	92.9	88.4	4.6	Bomet	0.6	0.4	0.2
Kilifi	34.7	27.7	7.0	Marsabit	0.4	0.1	0.2	Tharaka Nithi	1.0	0.8	0.2	Lamu	62.4	59.7	2.7	Nandi	1.0	0.8	0.2
Homa Bay	26.6	21.5	5.1	Laikipia	0.7	0.5	0.2	Kenicho	0.8	0.6	0.2	Elgey-Marakwet	77.6	75.5	2.0	Isiolo	0.3	0.1	0.2
Migori	28.5	24.0	4.5	Nakuru	1.2	1.1	0.2	Tana River	0.3	0.2	0.1	Bungoma	79.7	78.2	1.5	Siaya	0.4	0.3	0.1
Kisii	22.9	18.4	4.5	Murang'a	0.6	0.4	0.2	Nyandarua	1.6	1.5	0.1	Nairobi	9.0	8.2	0.8	Murang'a	0.3	0.2	0.1
Isiolo	30.6	26.3	4.3	Taita-Taveta	0.7	0.5	0.2	Nakuru	0.9	0.8	0.1	Mombasa	13.7	13.0	0.8	Kisii	0.4	0.3	0.1
Machakos	59.9	55.7	4.2	Samburu	0.3	0.1	0.2	Kajado	0.3	0.3	0.1	Uasin-Gishu	51.0	50.3	0.7	Nyeri	0.3	0.3	0.1
Median Constituency																			
Taita-Taveta	43.0	42.3	0.7	Kilifi	1.1	1.1	0.1	Busia	0.4	0.3	0.0	Murang'a	59.5	60.4	(0.9)	Homa Bay	0.3	0.3	0.0
Bottom 10 Constituencies																			
Nyeri	40.9	41.6	(0.7)	Bungoma	0.4	0.4	0.0	Kakamega	0.4	0.5	(0.0)	Isiolo	68.1	72.7	(4.6)	Kilifi	1.2	1.2	(0.1)
Tana River	10.5	11.2	(0.7)	Tharaka Nithi	0.3	0.3	(0.0)	Embu	0.5	0.5	(0.0)	Kisii	75.7	80.4	(4.7)	Wajir	0.3	0.4	(0.1)
Uasin-Gishu	45.9	46.7	(0.8)	Tana River	0.1	0.2	(0.0)	Migori	70.3	75.0	(0.7)	Trans-Nzoia	0.6	0.6	(0.1)				

	Bungoma	20.9	(1.5)	West Pokot	0.1	0.2	(0.0)	Kisumu	0.4	0.4	(0.0)	Machakos	37.9	42.9	(5.0)	Kirinyaga	0.3	0.3	(0.1)
Eldgey-Marakwet	20.7	23.0	(2.3)	Garissa	0.5	0.5	(0.0)	Kirinyaga	0.5	0.5	(0.0)	Homa Bay	72.5	77.6	(5.1)	Mandera	0.3	0.4	(0.1)
Lamu	36.1	38.9	(2.8)	Kirinyaga	0.4	0.5	(0.0)	Samburu	0.3	0.4	(0.1)	Kilifi	62.7	69.7	(7.0)	Tana River	0.4	0.5	(0.1)
Wajir	6.4	11.0	(4.6)	Trans-Nzoia	0.5	0.6	(0.0)	Garissa	0.4	0.5	(0.1)	Samburu	79.4	87.0	(7.6)	Turkana	0.5	0.6	(0.2)
Mandera	6.5	11.2	(4.7)	Mandera	0.1	0.2	(0.1)	Mandera	0.5	0.6	(0.1)	Kwale	67.6	75.3	(7.7)	Embu	0.4	0.6	(0.2)
Kirinyaga	37.4	43.0	(5.7)	Mombasa	4.4	5.2	(0.8)	Nairobi	1.9	2.1	(0.2)	Kisumu	50.6	63.4	(12.8)	Garissa	0.7	1.1	(0.4)
Garissa	22.4	33.4	(11.0)	Nairobi	6.2	8.2	(2.0)	Lamu	0.3	0.5	(0.2)	Kajiado	33.2	50.1	(16.9)	Mombasa	4.4	4.8	(0.4)

Embakasi North constituency has the highest incidence of cemented flooring at 95.3 percent while the least incidence is in Lafey (0.3 percent) and Tarbaj (0.2 percent). This reflects huge disparities in housing conditions (see table 6.4). Other constituencies with a high incidence of cemented flooring are Embakasi South (94.8 percent) and Dagoreti South (94.3 percent). In 91 constituencies, the incidence of cemented flooring is more than the national average of 41 percent.

Table 6.4: Main material used on floors in households by constituency

Cement		Tiles		Wood		Earth		Other	
Top 10 Constituencies									
Embakasi North	95.3	Langata	24.9	Dagoreti North	12.2	Tarbaj	99.1	Tarbaj	11.3
Embakasi South	94.8	Embakasi East	17.3	Westlands	7.3	Lafey	99.0	Lafey	6.8
Dagoreti South	94.3	Mvita	13.8	Igembe Central	5.6	Eldas	97.9	Eldas	5.7
Embakasi Central	92.5	Westlands	11.5	Eldama Ravine	4.8	North Horr	97.6	North Horr	3.8
Embakasi West	91.2	Starehe	10.5	Langata	4.2	Lagdera	97.6	Lagdera	3.3
Ruiru	90.8	Dagoreti North	10.0	Tigania West	3.4	Banissa	97.6	Banissa	3.0
Kabete	87.8	Makadara	9.0	Tetu	3.0	Balambala	97.2	Balambala	2.9
Nakuru Town West	87.6	Nyali	7.8	Igembe North	2.5	Loima	96.8	Loima	2.4
Roysambu	86.3	Kajiado North	7.7	Kesses	2.2	Wajir West	96.6	Wajir West	2.0
Makadara	85.7	Kasarani	7.5	Kipipiri	2.1	Turkana North	96.6	Turkana North	1.9
Median Constituency									
Alego Usonga	29.9	Saku	0.4	Bura	0.4	Alego Usonga	69.2	Alego Usonga	0.3
Bottom 10 Constituencies									
Emuria Dikirr	3.0	Eldas	0.0	Matungulu	0.1	Embakasi East	5.5	Embakasi East	0.1
Turkana North	2.5	Emuria Dikirr	0.0	Lunga Lunga	0.1	Ruiru	5.2	Ruiru	0.1
Balambala	2.2	Tarbaj	0.0	Changamwe	0.1	Starehe	4.0	Starehe	0.1
Banissa	1.9	Tiaty	0.0	Wajir West	0.1	Embakasi North	3.9	Embakasi North	0.1
Lagdera	1.7	Turkana East	0.0	Kangundo	0.1	Makadara	3.8	Makadara	0.1
North Horr	1.7	North Horr	0.0	Yatta	0.1	Embakasi Central	3.6	Embakasi Central	0.1
Eldas	1.4	Dadaab	0.0	Embakasi North	0.1	Embakasi West	3.6	Embakasi West	0.1
Loima	0.8	Kacheliba	0.0	Fafi	0.1	Dagoreti South	3.1	Dagoreti South	0.1
Lafey	0.3	Wajir West	0.0	Wajir East	0.1	Embakasi South	2.2	Embakasi South	0.1
Tarbaj	0.2	Loima	0.0	Embakasi Central	0.1	Dagoreti North	2.0	Dagoreti North	0.1

Table 6.5 shows the constituencies with greatest variance in the use of different floor materials by gender of household head. Male headed households in Embakasi North (95.4 percent), Embakasi South (95.2 percent) and Dagoreti South (94.7 percent) constituencies have the highest incidence of cemented floors while the lowest incidence is in Loima (1.1%), Lafey (0.3%), and Tarbaj (0.2%). Comparison between the highest and lowest incidence for male and female headed households does not indicate significant differences. However, there are significant gender differences in the proportion of households with cemented floors in Kajiado Central (46.2 percent for male headed households and 40.7 percent for female headed households) and Kajiado West (26.0 percent for male headed households and 23.4 percent for female headed households). On the other hand, female headed households in Mandera East (33.0 percent for female headed and 22.3 percent for male headed) and Teso North (34.5 percent for female headed and 27.6 percent for male headed) constituencies have a higher incidence than their male counterparts. However, since male headed households have higher populations than the female headed households in majority of the constituencies, the absolute size of the population living in cemented dwelling units is higher in male headed than in female headed households.

Table 6.5: Main material used for floors in households by constituency and gender of household head

Diff = Difference

Constituency	Cement			Tiles			Wood			Earth			Other		
	Male	Female	Diff	Constituency	Male	Female	Diff	Constituency	Male	Female	Diff	Constituency	Male	Female	Diff
Top 10 Constituencies															
Kajiado Central	46.2	26.0	20.3	Westlands	11.9	10.1	1.8	Igembe Central	6.0	4.1	1.9	Mandera East	75.9	64.7	11.2
Kajiado West	40.7	23.4	17.3	Kiambu	4.5	3.2	1.2	Westlands	7.6	6.1	1.4	Teso North	71.6	64.6	7.0
Muhoroni	34.9	21.1	13.8	Kajiado East	3.4	2.4	1.1	Tigania West	3.8	2.7	1.1	Kirinyaga Central	54.6	48.1	6.5
Kisumu East	57.2	44.8	12.4	Kajiado West	1.7	0.8	0.9	Turkana West	1.5	0.9	0.5	Township	27.0	20.8	6.2
Samburu West	32.2	20.4	11.8	Mvita	14.0	13.4	0.6	Kipkelion East	1.5	1.0	0.5	Kibra	30.3	24.2	6.1
Awendo	39.7	28.6	11.0	Moyale	0.8	0.2	0.6	Kipkelion West	1.7	1.2	0.5	Mwea	65.3	59.3	6.0
Kajiado East	74.9	64.4	10.5	Gatanga	1.2	0.6	0.5	Baringo South	1.0	0.6	0.5	Wajir East	78.1	72.3	5.8
Homa Bay Town	46.9	36.7	10.2	Voi	1.0	0.5	0.5	Kuresoi North	2.1	1.7	0.4	Gichugu	62.7	57.1	5.7
Kilifi South	43.8	34.0	9.8	Laikipia East	1.2	0.7	0.5	Keiyo South	2.0	1.5	0.4	Mogotio	77.4	72.5	4.9
Isiolo North	41.8	32.3	9.4	Turbo	2.0	1.5	0.5	Tetu	3.2	2.8	0.4	Moyale	67.6	63.0	4.6
Median Constituency															
Chuka@ Igambangombe	38.1	37.6	0.5	Mumias West	0.5	0.5	0.0	Bomet East	0.5	0.5	0.0	North Mugirango	84.8	85.2	-0.4
Bottom 10 Constituencies															
Mvita	75.1	79.6	-4.5	Kisauni	3.2	4.5	-1.3	Kipipiri	2.0	2.3	-0.2	Samburu East	80.3	89.7	-9.4
Moyale	30.1	34.8	-4.6	Kasarani	7.2	8.6	-1.4	Mandera North	0.5	0.7	-0.2	Isiolo North	56.7	66.6	-9.9
Mogotio	21.1	26.1	-5.1	Makadara	8.6	10.4	-1.8	Emuruu Dikirr	0.3	0.6	-0.3	Homa Bay Town	51.6	62.2	-10.6
Gichugu	36.1	41.6	-5.5	Nyali	7.4	9.3	-1.9	Laikipia East	1.0	1.2	-0.3	Awendo	59.1	70.6	-11.5
Wajir East	21.1	26.8	-5.7	Embakasi South	2.4	4.8	-2.4	Mandera East	0.9	1.2	-0.3	Kajiado East	21.2	32.9	-11.7
Mwea	33.7	39.6	-5.9	Starehe	9.4	13.5	-4.1	Lamu East	0.1	0.6	-0.5	Samburu West	67.0	78.9	-11.9
Garissa Township	69.2	75.3	-6.1	Dagoreti North	9.0	13.3	-4.3	Dadaab	0.7	1.3	-0.6	Kisumu East	41.1	53.3	-12.2
												Rabai	1.0	1.6	-0.6

Kirinyaga Central	43.9	50.2	-6.3	Kibra	4.9	9.4	-4.5	Turkana East	1.1	1.9	-0.9	Muhoroni	64.0	77.9	-13.9	Moyale	1.2	1.8	-0.6
Teso North	27.6	34.5	-6.9	Embakasi East	16.2	21.0	-4.9	Kibra	1.8	2.9	-1.1	Kajado West	56.8	75.3	-18.5	Jomvu	6.6	7.3	-0.7
Mandera East	22.3	33.0	-10.6	Langata	22.6	32.0	-9.3	Dagoreti North	11.1	15.5	-4.3	Kajado Central	52.5	73.0	-20.4	Changamwe	10.8	13.0	-2.2

6.1.2 Type of wall material

The most commonly used material for walls is mud/wood at 36.5 percent followed by bricks/blocks and stone, while the least used material is tin. The use of stone walls for housing by households is six times more common in urban areas than in rural areas. Nationally, in male headed households, the incidence of stone walls is 17.5 percent compared with 15.0 percent in female headed households. On the other hand, almost half the households in rural areas have a combination of mud and wood as the main wall material. The use of corrugated iron sheets in male headed households is 12 percent higher than in female headed households, with the incidence higher in urban areas.

Table 6.6: Main material for walls

Name	Stone	Brick/ Block	Mud/ Wood	Mud/ Cement	Wood only	Corrugated Iron Sheets	Grass/ Reeds	Tin	Other	Households
Total										
Kenya	16.7	16.9	36.5	7.7	11.1	6.7	3.0	0.3	1.2	8,493,380
Rural	5.7	13.8	50.0	7.6	14.4	2.5	4.4	0.3	1.4	5,239,879
Urban	34.5	21.9	14.8	7.8	5.8	13.3	0.8	0.3	0.9	3,253,501
Male headed										
Kenya	17.5	16.6	34.7	7.6	11.4	7.4	3.4	0.3	1.2	5,762,320
Rural	5.8	13.1	48.9	7.3	15.4	2.6	5.2	0.3	1.4	3,413,616
Urban	34.6	21.6	14.0	7.9	5.6	14.4	0.7	0.3	0.9	2,348,704
Female headed										
Kenya	15.0	17.5	40.4	7.9	10.5	5.1	2.1	0.3	1.2	2,731,060
Rural	5.4	14.9	52.1	8.0	12.6	2.4	2.8	0.4	1.4	1,826,263
Urban	34.2	22.6	16.9	7.6	6.2	10.5	0.8	0.3	0.9	904,797

Kiambu County has the highest use of stone at 48.3 percent compared to West Pokot, where it is rarely used, with the incidence at 0.4 percent. The top 10 counties exceed the 16.6 percent national average in use of stone as walling material. The proportion of households with stone walls in Kiambu exceeds that of the bottom 10 constituencies combined. The share of stone houses in Kiambu is at least 32 times more than that for Bungoma and 140 times more than that of West Pokot. Notably, the number of households with cement walls in Kiambu at 226,488 is slightly higher than the total number of households with cement walls in the bottom counties. The predominant walling material in West Pokot is mud/wood at 79.8 percent followed by Kakamega and Vihiga counties at 74.5 percent and 73.4 percent respectively. Use of corrugated iron sheets in walls is highest in Nairobi, Kajiado and Kiambu Counties at more than 25 percent of households and lowest at 0.1 percent in Vihiga.

Table 6.7: Proportion of households by type of wall by county

Stone		Brick/Block		Mud/Wood		Wood only		Corrugated Iron Sheets	
County	%	County	%	County	%	County	%	County	%
Top 10 counties									
Kiambu	48.5	Makueni	72.6	West Pokot	78.9	Meru	62.6	Nairobi	26.9
Nairobi	47.3	Kitui	63.9	Kakamega	74.6	Nyeri	60.3	Kajiado	26.6
Nakuru	32.9	Machakos	61.5	Vihiga	73.6	Laikipia	44.9	Kiambu	25.3
Mombasa	30.4	Taita-Taveta	42.9	Nyamira	71.0	Nyandarua	43.0	Murang'a	14.2
Murang'a	28.8	Mombasa	40.6	Kisii	70.6	Kirinyaga	34.5	Machakos	7.0
Kajiado	27.7	Uasin-Gishu	25.2	Bungoma	70.2	Tharaka Nithi	33.8	Baringo	6.5
Machakos	24.7	Kilifi	22.8	Busia	68.6	Turkana	31.0	Homa Bay	5.6
Kirinyaga	24.3	Embu	21.5	Narok	68.4	Baringo	25.8	Kericho	5.1
Nyeri	21.4	Kisumu	21.0	Trans-Nzoia	67.9	Embu	25.3	Kisumu	3.1
Embu	16.2	Nyamira	20.1	Homa Bay	65.6	Isiolo	22.3	Nyandarua	3.0
Median county									
Baringo	5.1	Siaya	13.4	Tharaka Nithi	42.1	Garissa	7.2	Taita-Taveta	0.9
Bottom 10 counties									
Bungoma	1.5	Nyeri	4.7	Kirinyaga	18.5	Makueni	0.4	Nyamira	0.3
Trans-Nzoia	1.4	Mandera	4.5	Meru	18.1	Kisii	0.3	Kwale	0.3
Nandi	1.3	Narok	3.8	Mombasa	10.4	Homa Bay	0.3	Busia	0.3
Migori	1.0	Meru	3.6	Nyeri	10.2	Migori	0.3	Kakamega	0.3
Kisii	0.9	Baringo	3.5	Garissa	8.6	Mombasa	0.2	West Pokot	0.3
Nyamira	0.8	Turkana	3.5	Mandera	6.0	Kisumu	0.2	Mandera	0.2
Kakamega	0.8	Laikipia	2.9	Wajir	5.1	Kakamega	0.2	Wajir	0.2
Vihiga	0.7	Samburu	2.7	Kiambu	4.8	Busia	0.2	Kitui	0.2
Turkana	0.6	Wajir	2.7	Machakos	4.2	Siaya	0.2	Bungoma	0.2
West Pokot	0.4	Nyandarua	2.6	Nairobi	3.8	Vihiga	0.1	Vihiga	0.1

There are only slight gender differences across counties in use of wall material. Aggregations of proportions at county level mask huge differences at constituency level (see table 6.9) in the dominant wall materials. In the top 10 ranked constituencies, more than 50 percent of the households have stone walls, with the highest in Juja at 81.2 percent while in Loima constituency these are non-existent. The use of mud/wood and corrugated iron sheets for walls is highest in Kacheliba and Embakasi South respectively and lowest in Wajir East and Mumias East. Overall, there are only slight differentials between male and female headed households.

The absolute number of male headed households is invariably higher in all constituencies hence lessening the overall effect of the few cases where the proportion of female headed households is higher than that of male headed households. For example, in the top constituencies with stone walls (Table 6.10), the proportion of female households is slightly higher in Roysambu, Thika Town, and Kajiado North. However, male headed households are more than double the female headed in absolute terms, so the number of male headed households with stone walls is higher than those of female headed households.

Table 6.8: Proportion of households by type of wall, county and gender of household head differences

County	Stone		Brick/Block		Mud/Wood		Wood only		Corrugated Iron Sheets	
	Male	Female	County	Male	Female	County	Male	Female	County	Male
	Diff	Diff	Diff	Diff	Diff	Diff	Diff	Diff	Diff	Diff
Top 10 County										
Kajiado	30.0	22.5	7.5	Kisumu	23.1	17.2	5.9	Tana River	42.2	39.0
Machakos	26.3	22.0	4.3	Migori	18.8	14.0	4.8	Turkana Elgeyo- Marakwet	24.2	22.6
Kwale	16.5	12.6	3.9	Kilifi	24.3	19.6	4.7	Mandera	19.1	14.7
Samburu	4.5	2.2	2.3	Kisii	20.3	16.4	3.9	Embu	26.6	22.6
Laikipia	15.5	13.7	1.7	Kwale	15.7	11.8	3.9	Narok	10.8	7.9
Isiolo	11.0	9.2	1.7	Siaya	15.0	11.5	3.5	Bungoma	70.5	69.5
Kilifi	11.0	9.3	1.7	Bomet	9.9	7.3	2.5	Mombasa	10.5	9.8
Narok	6.1	4.7	1.4	Vihiga	16.1	13.7	2.4	Nairobi Uasin- Gishu	3.9	3.2
Murang'a	29.3	28.0	1.3	Kirinyaga	17.5	15.2	2.2	Samburu	8.5	6.4
Kiambu	48.8	47.6	1.2	Homa Bay	9.5	7.3	2.2	Kitui	25.6	25.5
Median county										
Kakamega	0.8	0.7	0.1	Lamu	18.9	18.2	0.6	Mandera	5.8	7.3
Bottom 10 Counties										
Lamu	10.7	11.6	(0.9)	Nairobi	13.7	14.6	(1.0)	Marsabit	28.7	33.7
Embu	15.8	17.0	(1.2)	Taita-Taveta	42.6	43.6	(1.0)	Homa Bay	63.0	69.0
Mandera	2.6	4.1	(1.5)	Mombasa	40.4	41.4	(1.0)	Laikipia	27.5	34.0
Meru	11.6	13.3	(1.6)	Bungoma	14.0	15.0	(1.0)	Narok	66.1	72.8
Tharaka Nithi	12.6	14.8	(2.2)	Kitui	63.3	64.6	(1.3)	Kilifi	51.2	58.4
Garissa Elgey- Marakwet	5.5	7.9	(2.4)	Makueni	71.9	73.5	(1.6)	Isiolo	28.2	35.8
Wajir	3.6	7.4	(3.8)	Uasin-Gishu	24.8	26.4	(1.6)	Kwale	54.3	62.2
Nairobi	46.0	51.5	(5.5)	Garissa	14.6	22.5	(7.9)	Samburu	54.4	65.1
Kirinyaga	22.6	28.1	(5.5)	Machakos	58.0	67.6	(9.6)	Kajiado	18.0	32.8
Bottom 10 Counties										
Lamu	10.7	11.6	(0.9)	Nairobi	13.7	14.6	(1.0)	Marsabit	28.7	33.7
Embu	15.8	17.0	(1.2)	Taita-Taveta	42.6	43.6	(1.0)	Homa Bay	63.0	69.0
Mandera	2.6	4.1	(1.5)	Mombasa	40.4	41.4	(1.0)	Laikipia	27.5	34.0
Meru	11.6	13.3	(1.6)	Bungoma	14.0	15.0	(1.0)	Narok	66.1	72.8
Tharaka Nithi	12.6	14.8	(2.2)	Kitui	63.3	64.6	(1.3)	Kilifi	51.2	58.4
Garissa Elgey- Marakwet	5.5	7.9	(2.4)	Makueni	71.9	73.5	(1.6)	Isiolo	28.2	35.8
Wajir	3.6	7.4	(3.8)	Uasin-Gishu	24.8	26.4	(1.6)	Kwale	54.3	62.2
Nairobi	46.0	51.5	(5.5)	Garissa	14.6	22.5	(7.9)	Samburu	54.4	65.1
Kirinyaga	22.6	28.1	(5.5)	Machakos	58.0	67.6	(9.6)	Kajiado	18.0	32.8

Table 6.9: Proportion of households by type of wall, by constituency

Constituency	Stone	Constituency	Brick/ Block	Constituency	Mud/ Wood	Constituency	Corrugated Iron Sheets
Top 10 constituencies							
Juja	81.0	Mwala	88.2	Kacheliba	88.5	Embakasi South	58.9
Ruiru	78.4	Mwingi West	85.1	Kuria East	86.3	Dagoreti South	57.0
Roysambu	74.6	Kathiani	85.0	Ikolomani	86.1	Kabete	54.5
Kasarani	73.5	Kitui West	83.9	Kitutu Chache North	86.0	Kikuyu	46.0
Thika Town	73.2	Mbooni	82.5	Navakholo	85.7	Dagoreti North	42.1
Embakasi Central	72.3	Masinga	81.0	Emurua Dikirr	83.4	Kiambaa	41.4
Embakasi West	71.7	Kitui Central	79.7	Khwisero	82.6	Westlands	40.0
Embakasi North	68.6	Kaiti	77.8	Ganze	82.6	Makadara	38.2
Nakuru Town East	66.6	Kangundo	73.6	Pokot South	82.6	Kajiado East	38.0
Kajiado North	52.4	Makueni	71.8	Narok South	82.5	Starehe	37.2
Median constituencies							
Suba North	3.4	Nakuru Town West	10.2	Ol Kalou	43.2	Isiolo South	0.6
Bottom 10 constituencies							
Kuria East	0.3	Balambala	1.0	Dagoreti North	0.8	Bumula	0.1
Shinyalu	0.3	Banissa	0.9	Starehe	0.7	Butula	0.1
Bomachoge Chache	0.3	Wajir North	0.8	Tarbaj	0.6	Navakholo	0.1
Aldai	0.3	Emurua Dikirr	0.7	Embakasi East	0.6	Ikolomani	0.1
Navakholo	0.3	North Horr	0.7	Makadara	0.4	Kuria East	0.0
Lafey	0.2	Lagdera	0.6	Embakasi West	0.4	Hamisi	0.0
Tarbaj	0.2	Lafey	0.6	Kangundo	0.4	Sirisia	0.0
Kacheliba	0.2	Eldas	0.6	Embakasi Central	0.3	Vihiga	0.0
Emurua Dikirr	0.1	Loima	0.4	Embakasi South	0.2	Tongaren	0.0
Loima	0.0	Tarbaj	0.1	Wajir East	0.1	Mumias East	0.0

Table 6.10: Proportion of households by type of wall, constituency and gender of household head

Male headed households							
Constituency	Stone	Constituency	Brick/ Block	Constituency	Mud/ Wood	Constituency	Corrugated Iron Sheets
Top 10 constituencies							
Juja	81.3	Mwala	87.7	Kacheliba	87.2	Embakasi South	60.5
Ruiru	78.5	Kathiani	84.6	Navakholo	86.2	Dagoreti South	57.8
Roysambu	74.1	Kitui West	84.2	Ikolomani	85.8	Kabete	55.0
Kasarani	73.6	Mwingi West	83.7	Kuria East	85.7	Kikuyu	47.1
Thika Town	72.6	Mbooni	82.5	Kitutu Chache North	84.8	Dagoreti North	44.9
Embakasi Central	72.1	Masinga	80.3	Emurua Dikirr	83.3	Kiambaa	42.6
Embakasi West	71.5	Kitui Central	80.2	Pokot South	82.7	Makadara	41.1
Embakasi North	68.9	Kaiti	78.2	Khwisero	82.2	Starehe	41.0

Nakuru Town East	65.4	Kangundo	73.3	Ganze	81.9	Kajiado East	40.5
Kajiado North	51.6	Makueni	71.2	Chepalungu	81.7	Westlands	40.4
Median constituency							
Galole	3.8	Emuhaya	10.6	Homa Bay Town	41.4	Kibwezi West	0.7
Bottom 10 constituencies							
Bomachoge Chache	0.4	Balambala	1.0	Dagoreti North	0.8	Kimilili	0.1
Kuria East	0.3	Banissa	0.9	Starehe	0.7	Ikolomani	0.1
Shinyalu	0.3	Wajir North	0.8	Tarbaj	0.6	Hamisi	0.1
Lafey	0.3	North Horr	0.8	Embakasi East	0.6	Kuria East	0.1
Aldai	0.3	Emurua Dikirr	0.8	Makadara	0.5	Butula	0.1
Navakholo	0.2	Eldas	0.6	Embakasi West	0.4	Sirisia	0.1
Tarbaj	0.2	Lagdera	0.6	Kangundo	0.4	Vihiga	0.1
Kacheliba	0.2	Lafey	0.6	Embakasi Central	0.3	Tongaren	0.0
Emurua Dikirr	0.1	Loima	0.5	Embakasi South	0.2	Mumias East	0.0
Loima	0.1	Tarbaj	0.2	Wajir East	0.2	Navakholo	0.0
Female headed households							
County/ Constituency	Stone	County/ Constituency	Brick/ Block	County/ Constituency	Mud/ Wood	County/ Constituency	Corrugated Iron Sheets
Top 10 constituencies							
Juja	80.3	Mwala	88.8	Kacheliba	90.6	Dagoreti South	54.5
Ruiru	78.1	Mwingi West	86.6	Kitutu Chache North	87.8	Kabete	53.1
Roysambu	76.0	Kathiani	85.5	Kuria East	87.8	Embakasi South	51.3
Thika Town	74.6	Kitui West	83.5	Ikolomani	86.4	Kikuyu	43.2
Kasarani	73.1	Mbooni	82.6	Narok South	84.7	Westlands	38.8
Embakasi Central	72.7	Masinga	81.9	Navakholo	84.6	Kiambaa	37.9
Embakasi West	72.3	Kitui Central	78.9	Emurua Dikirr	83.7	Mathioya	35.0
Nakuru Town East	69.2	Kaiti	77.2	Ganze	83.4	Kiambu	34.0
Embakasi North	67.6	Kangundo	73.9	Khwisero	83.2	Dagoreti North	33.1
Kajiado North	54.8	Makueni	72.7	Pokot South	82.3	Kangema	33.0
Median constituency							
Kuresoi South	3.2	Rarieda	9.7	Voi	45.3	Aldai	0.4
Bottom 10 constituencies							
Navakholo	0.3	Tiaty	0.7	Dagoreti North	0.7	Kuria East	0.0
Mwingi North	0.3	Kacheliba	0.7	Embakasi East	0.6	Kitui West	0.0
Bomachoge Chache	0.2	Lagdera	0.7	Tarbaj	0.6	Mandera South	0.0

Banissa	0.2	Turkana North	0.6	Starehe	0.4	Mumias East	0.0
Tarbaj	0.1	Emurua Dikirr	0.6	Makadara	0.4	Vihiga	0.0
Kacheliba	0.1	North Horr	0.4	Kangundo	0.3	Matungu	0.0
Mandera West	0.1	Eldas	0.3	Embakasi West	0.3	Tongaren	0.0
Lafey	0.1	Loima	0.3	Embakasi Central	0.3	Lamu East	-
Emurua Dikirr	0.1	Fafi	0.3	Embakasi South	0.1	Wajir West	-
Loima	0.0	Tarbaj	-	Wajir East	0.0	Tarbaj	-

6.1.3 Type of roofing material

Iron sheets are the dominant type of roofing material and are used by 73.5 percent of households in the country (see table 6.11). Other materials that are commonly used are grass and concrete. The use of iron sheets is higher in urban areas at 78.5 percent. This is in comparison with rural areas where 69.2 percent of male headed and 72.5 percent female headed households use iron sheets as their main roofing material. The use of grass for roofing is also dominant in rural areas compared with urban areas. In rural male headed households, 21.5 percent use grass compared to 2.0 percent in urban areas. In rural female headed households, 17.8 percent use grass compared to 2.3 percent in urban areas.

Table 6.11: Main roofing material nationally

Name	Corrugated Iron Sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/Dung	Other	Households
Kenya	73.5	2.2	3.6	2.2	13.3	3.2	0.3	0.8	1.0	8,493,380
Rural	70.3	0.7	0.2	1.8	20.2	4.2	0.2	1.2	1.1	5,239,879
Urban	78.5	4.6	9.1	2.9	2.1	1.5	0.3	0.1	0.9	3,253,501

There are significant differences in the type of materials used for roofing across counties. These variations arise from not only cultural factors but also availability of material and income levels. The use of iron sheets for roofing is highest in Nyandarua and Kirinyaga Counties at 95.0 percent and Nyeri at 94.4 percent. The use of iron sheets is lowest in Wajir at 10.0 percent (see table 6.12). The use of concrete roofing is highest in Nairobi (21.1 percent), Lamu (11.2 percent) and Mombasa (9.2 percent) counties. The use is higher in counties that have a predominantly urban population and higher population density compared with sparsely populated counties like Turkana, Tana River, and West Pokot, where concrete roofing is non-existent.

Table 6.12: Main roofing material by county

Iron sheets		Concrete		Grass		Makuti	
Top 10 counties							
Nyandarua	95.0	Nairobi		21.1	Wajir	86.4	Kwale
Kirinyaga	95.0	Lamu		11.2	West Pokot	67.4	Kilifi
Nyeri	94.4	Mombasa		9.2	Mandera	62.1	Turkana
Murang'a	94.2	Urban		9.1	Garissa	61.3	Lamu
Meru	92.9	Kiambu		6.7	Tana River	56.6	Mandera

Vihiga	92.3	Kenya	3.6	Busia	47.8	Tana River	14.2
Embu	92.2	Kajiado	3.4	Elgey-Marakwet	39.1	Samburu	12.0
Nyamira	89.6	Machakos	3.1	Baringo	39.1	Marsabit	10.9
Machakos	88.9	Murang'a	1.7	Turkana	34.9	Isiolo	5.9
Kiambu	87.7	Kilifi	1.7	Narok	33.4	Garissa	5.3
Median County							
Kakamega	76.6	Nyamira	0.2	Kisii	11.4	Kisii	0.2
Bottom 10 counties							
Kwale	36.9	Siaya	0.1	Vihiga	3.8	Migori	0.1
Lamu	31.5	Busia	0.1	Embu	3.3	Uasin-Gishu	0.1
Garissa	29.8	Elgey-Marakwet	0.1	Meru	2.1	Bungoma	0.1
Marsabit	28.0	Nandi	0.1	Nyandarua	0.8	Kakamega	0.1
West Pokot	26.8	Homa Bay	0.1	Kirinyaga	0.5	Nyeri	0.1
Tana River	25.9	Samburu	0.1	Nyeri	0.4	Vihiga	0.1
Samburu	22.3	Marsabit	0.1	Murang'a	0.3	Nairobi	0.1
Turkana	12.3	Turkana	0.0	Mombasa	0.1	Nyandarua	0.1
Mandera	11.5	Tana River	0.0	Kiambu	0.1	Murang'a	0.0
Wajir	10.0	West Pokot	0.0	Nairobi	0.0	Kirinyaga	0.0

Table 6.13: Main roofing material by county and gender of household head

County	Corrugated Iron Sheets			Concrete			Grass			Makuti					
	Male	Female	Diff	County	Male	Female	Diff	County	Male	Female	Diff	County	Male	Female	Diff
Top 10 counties															
Kajiado	71.0	58.2	12.8	Machakos	3.7	2.0	1.6	Ganissa	64.1	52.1	12.0	Tana River	15.1	11.9	3.2
Samburu	25.9	18.2	7.7	Lamu	11.5	10.2	1.2	Busia	51.5	41.8	9.7	Mandera	24.7	22.4	2.3
Baringo	59.4	54.0	5.4	Bomet	1.2	0.7	0.6	Kakamega	23.0	14.2	8.8	Taita-Taveta	1.8	0.9	1.0
Laikipia	82.0	77.1	5.0	Kajiado	3.5	3.1	0.5	Siaya	35.8	27.6	8.2	Ganissa	5.5	4.7	0.8
Nairobi	66.4	61.6	4.8	Kisumu	1.2	0.9	0.3	Homa Bay	17.8	11.6	6.2	Isiolo	5.9	5.8	0.2
Narok	50.1	45.8	4.3	Kisii	0.7	0.6	0.2	Bungoma	20.3	14.7	5.5	Wajir	2.2	2.0	0.2
Kilifi	43.1	38.9	4.2	Kericho	0.7	0.6	0.2	Wajir	87.4	82.1	5.3	Kitui	0.4	0.3	0.2
Bomet	69.5	65.4	4.1	Uasin-Gishu	0.6	0.5	0.1	Marsabit	25.8	21.1	4.7	Narok	1.2	1.1	0.1
Mombasa	75.7	72.4	3.3	Kwale	0.2	0.1	0.1	Migori	22.4	17.8	4.6	Baringo	0.2	0.1	0.1
Elgey-Marakwet	58.7	56.0	2.7	Kitui	0.2	0.1	0.1	Mandera	62.9	58.4	4.5	Makueni	0.2	0.1	0.1
Median county															
Nyeri	94.4	94.6	(0.2)	Murang'a	1.7	1.7	0.0	Kitui	20.4	19.7	0.7	Usini-Gishu	0.1	0.1	0.0
Bottom 10 counties															
Migori	73.9	78.8	(4.9)	Mandera	0.1	0.1	(0.0)	Kericho	13.1	14.1	(1.0)	Nakuru	0.2	0.2	(0.0)

Lamu	30.2	35.5 (5.3)	Tharaka Nithi	0.3	0.3 (0.0)	Tharaka Nithi	8.6	9.9 (1.2)	Elgey-Marakwet	0.2	0.2	(0.0)
Wajir	8.9	14.4 (5.5)	Wajir	0.1	0.2 (0.1)	Kilifi	7.0	8.2 (1.3)	Kiambu	0.1	0.1	(0.0)
Bungoma	75.9	81.4 (5.5)	Embu	0.5	0.5 (0.1)	Kwale	9.3	11.6 (2.3)	West Pokot	0.2	0.3	(0.0)
Mandera	10.4	16.3 (5.9)	Nakuru	0.8	0.9 (0.1)	Laikipia	8.5	11.4 (2.9)	Kwale	49.8	49.8	(0.1)
Homa Bay	79.4	85.8 (6.3)	Nyeri	1.1	1.3 (0.3)	Elgey-Marakwet	38.1	41.3 (3.2)	Samburu	11.7	12.4	(0.7)
Siaya	61.9	70.4 (8.5)	Kirinyaga	0.8	1.0 (0.3)	Tana River	55.5	59.3 (3.8)	Mombasa	4.1	4.8	(0.7)
Kakamega	73.6	82.2 (8.7)	Kiambu	6.6	7.0 (0.3)	Bomet	25.5	30.9 (5.4)	Turkana	36.0	37.7	(1.8)
Busia	45.9	55.6 (9.7)	Mombasa	8.7	10.8 (2.0)	Kajiado	8.7	14.7 (6.0)	Kilifi	43.4	46.7	(3.4)
Garissa	27.0	39.1 (12.1)	Nairobi	20.5	22.8 (2.3)	Baringo	36.9	43.1 (6.2)	Marsabit	8.3	15.1	(6.8)

At constituency level, Central Imenti (97.2 percent), Gichugu (97.1 percent) and Othaya (96.7 percent) have the highest use of iron sheets, while Lafey has the least use of iron sheets at 0.5 percent. Concrete use is found in at least 20 percent of households in each of the top 10 constituencies ranked by concrete use, and non-existent in others. Similarly, the use of grass and makuti roofing is dominant in some constituencies and non-existent in others. The use of makuti in the top 10 constituencies can be explained partly by the dominance of traditional housing models that use the material for roofing and availability of the material in that particular locality.

There are minor differentials in proportions between top and bottom ranked constituencies in use of various wall materials by gender of household head. There are significant differences within constituencies. In a few constituencies, for example in Gem, Mumias East, Malaba and Mandera East, the proportion of female headed households with iron sheet roofing is higher than that for male headed households (see table 6.15). Conversely, in some cases, such as in Kajiado West, Laikipia North, and Langata, the proportion of male headed households with iron sheet roofs is significantly higher than the proportion of female headed households.

Table 6.14: Main roofing material by constituency

Constituency	Iron sheets	Constituency	Concrete	Constituency	Grass	Constituency	Makuti
Top 10 constituencies							
Central Imenti	97.2	Mvita	43.1	Taraj	98.3	Lamu East	72.3
Gichugu	97.1	Embakasi West	42.6	Tiaty	90.9	Lafey	65.0
Othaya	96.7	Embakasi Central	37.9	Wajir West	90.2	Turkana East	63.6
Lari	96.4	Roysambu	33.1	Eldas	88.0	Matuga	62.4
Kinangop	96.3	Ruaraka	32.8	Fafi	87.2	Lunga Lunga	58.1
Gatundu North	96.3	Kamukunji	27.5	Wajir North	86.6	Kilifi North	54.8
Kirinyaga Central	96.1	Embakasi East	24.3	Sigor	86.5	Turkana Central	54.7
Bahati	96.1	Mathare	24.2	Lagdera	86.4	Rabai	53.7
South Imenti	96.1	Embakasi South	23.5	Wajir South	86.2	Loima	53.4
Kathiani	96.1	Kasarani	22.8	Mandera South	86.2	Msabweni	46.2
Median county							
Shinyalu	79.9	Taveta	0.1	Kitui Central	8.6	Kipipiri	0.1
Bottom 10 constituencies							
Lamu East	6.5	Mosop	0.0	Kiambaa	0.0	Mumias West	0.0
Kacheliba	6.3	Turkana North	0.0	Dagoreti South	0.0	Kigumo	0.0
Mandera North	5.5	Turkana West	0.0	Kibra	0.0	Kabondo Kasipul	0.0
Wajir West	4.3	Chepalungu	0.0	Dagoreti North	0.0	Embakasi West	0.0
Turkana North	4.2	Bura	0.0	Starehe	0.0	Gatundu North	0.0
Balambala	3.2	Lagdera	0.0	Embakasi South	0.0	Gichugu	0.0
Eldas	1.8	Wajir North	0.0	Embakasi North	0.0	Tetu	0.0
Loima	1.5	Isiolo South	0.0	Ruaraka	0.0	Mukurwe-Ini	0.0
Taraj	0.9	Fafi	0.0	Mathare	0.0	Othaya	0.0
Lafey	0.5	Taraj	0.0	Kabete	0.0	Ndia	0.0

Table 6.15: Main roofing material by constituency and gender of household head

Constituency	Corrugated Iron Sheets			Concrete			Grass			Makuti					
	Male	Female	Diff	Constituency	Male	Female	Diff	Constituency	Male	Female	Diff	Constituency	Male	Female	Diff
Top 10 constituencies															
Kajiado Central	56.7	38.6	18.1	Embakasi Central	38.7	35.3	3.4	Funyula	51.0	37.0	14.0	Mandera East	44.6	31.7	12.9
Kajiado West	54.5	37.1	17.4	Embakasi North	22.0	19.5	2.5	Malava	42.0	28.3	13.7	Garsen	23.9	18.7	5.2
Langata	58.5	44.4	14.1	Lamu East	7.3	5.9	1.5	Gem	38.2	25.0	13.3	Turkana South	37.5	33.0	4.4
Laikipia North	52.6	39.6	12.9	Konoin	4.3	3.0	1.3	Mumias East	25.9	13.5	12.4	Mandera North	37.2	33.0	4.2
Samburu West	44.0	31.3	12.7	Mathare	24.5	23.4	1.1	Raieda	31.1	18.9	12.2	Lamu West	27.0	24.4	2.5
Dagoreti North	66.2	55.1	11.1	Lamu West	12.3	11.2	1.1	Navakholo	35.0	22.8	12.2	Galole	9.4	7.2	2.2
Kibra	85.8	75.2	10.6	Kitutu Chache South	3.4	2.7	0.7	Butere	27.5	15.5	12.1	Banissa	14.9	13.0	1.9
Narok West	45.5	35.6	9.9	Ruaraka	32.9	32.3	0.6	Budalangi	40.1	28.3	11.7	Lunga Lunga	58.7	56.8	1.9
Samburu East	21.9	12.8	9.1	Belgut	2.7	2.1	0.6	Isiolo South	45.7	34.1	11.6	Isiolo South	10.3	8.7	1.6
Starehe	69.3	60.4	8.9	Kajijado West	1.5	0.9	0.5	Ndhiwa	38.3	26.9	11.3	Dadaab	3.3	1.7	1.6
Median constituency															
Matungulu	91.8	92.3	(0.5)	Kitui East	0.1	0.1	0.0	Samburu North	15.8	15.6	0.1	Ol Jorok	0.1	0.1	0.0
Bottom 10 constituencies															
Budalangi	56.8	68.5	(11.7)	Makadara	12.3	14.7	(2.4)	Bomet Central	14.9	18.9	(4.0)	Kaleleni	38.5	41.2	(2.6)
Navakholo	62.4	74.2	(11.8)	Ruiru	19.8	22.7	(2.9)	Tiaty	89.0	93.6	(4.6)	Malindi	31.2	34.0	(2.8)
Butere	70.0	81.9	(11.9)	Kibra	3.1	6.2	(3.1)	Laikipia North	29.9	34.9	(5.0)	Loima	52.1	55.1	(2.9)
Mandera East	26.6	38.8	(12.2)	Embakasi East	23.4	27.2	(3.7)	Kajiado South	32.6	37.9	(5.2)	North Horr	3.6	7.0	(3.4)
Mumias East	71.3	83.6	(12.3)	Starehe	15.3	19.4	(4.1)	Sotik	26.1	31.4	(5.3)	Turkana Central	52.9	56.9	(4.0)
Malaya	53.9	66.5	(12.6)	Embakasi South	22.7	27.2	(4.5)	Kajiado Central	9.2	14.5	(5.3)	Turkana East	62.5	66.7	(4.2)

Rarieda	66.9	79.5	(12.6)	Dagoreti North	9.4	14.0	(4.6)	Keiyo South	22.3	27.7	(5.4)	Kilifi North	53.4	57.8	(4.3)
Gem	59.5	72.8	(13.3)	Kamukunji	26.2	30.8	(4.6)	Galole	50.2	56.4	(6.2)	Kilifi South	42.3	49.3	(7.0)
Funyula	45.8	59.5	(13.7)	Roysambu	31.8	36.7	(4.9)	Baringo South	33.6	39.9	(6.3)	Lamu East	70.3	77.7	(7.3)
Isiolo South	41.5	56.1	(14.6)	Langata	12.3	19.8	(7.5)	Kajiado West	15.9	23.4	(7.5)	Laisamis	32.9	40.3	(7.4)

6.2 Sources of energy

6.2.1 Cooking fuel

The type of fuel used for cooking has implications for development. Lack of access to clean sources of energy is a major impediment to development through health related complications such as increased respiratory infections and air pollution. The type of cooking fuel used by households is related to the socio-economic status of households/individuals (see figure 6.2). High level energy sources are cleaner but cost more and are used by households with higher levels of income compared with simpler sources of fuel, mainly firewood, which are mainly used by households with a lower socio-economic profile.

Figure 6.2: Energy sources and socioeconomic status

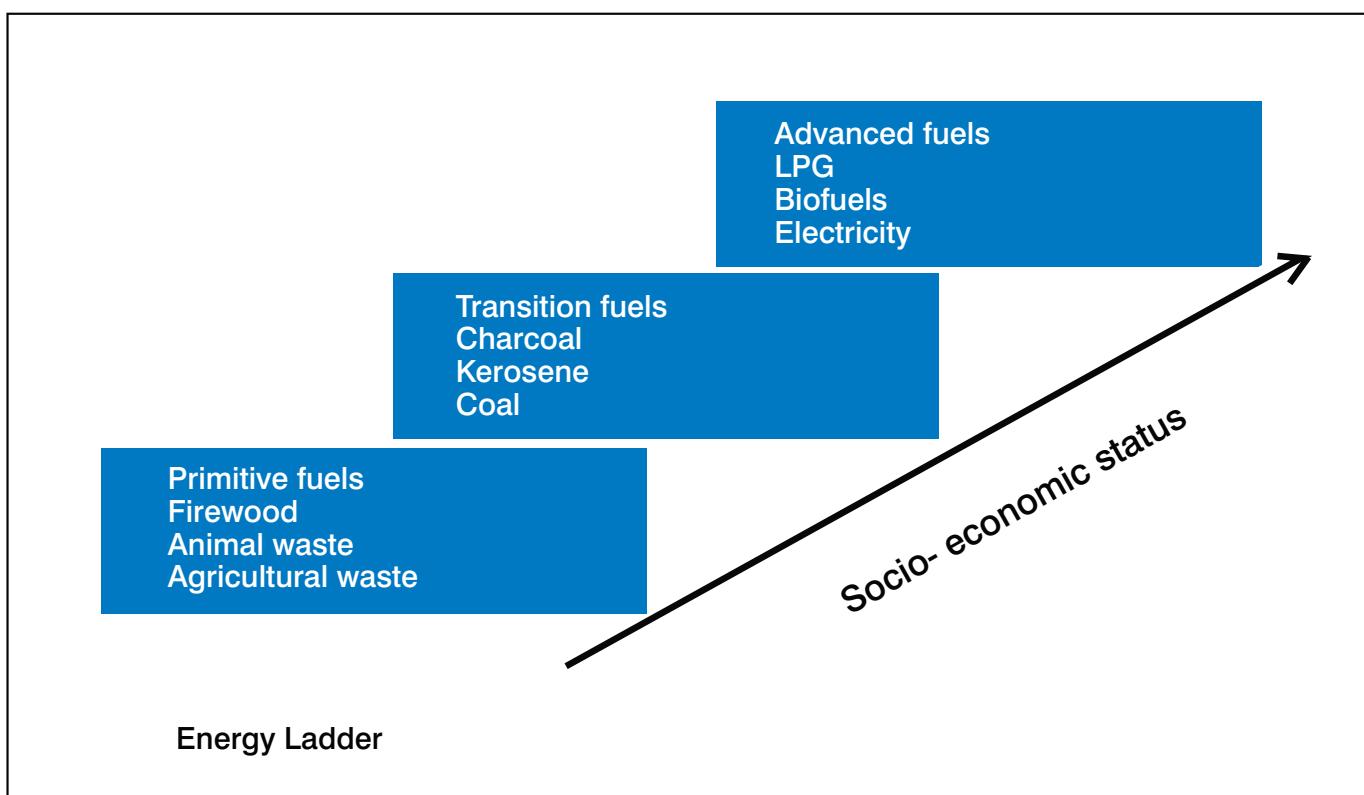


Table 6.16 indicates that 64.4 percent of the households in the country use firewood as the main source of fuel, followed by charcoal (17.0 percent) and paraffin (11.7 percent). The use of high level energy sources is highest in urban areas for both male and female headed households at 15.4 percent and 16.0 percent respectively. Due to better service delivery and a higher disposable income in urban areas than in rural areas, most urban households transition to clean energy sources faster than those in rural areas. However, high populations in informal settlements experience the challenge of slow transition.

Table 6.16: Main cooking fuel, national, rural and urban by gender of household head

Name	High source				Transition		Primitive		Households
	Electricity	Solar	LPG	Biogas	Paraffin	Charcoal	Firewood	Other	
Total									
Kenya	0.8	0.1	5.1	0.7	11.7	17.0	64.4	0.3	8,493,380
Rural	0.2	0.1	0.6	0.3	1.4	7.1	90.3	0.1	5,239,879
Urban	1.8	0.0	12.3	1.4	28.3	32.8	22.7	0.6	3,253,501
Male headed households									
Kenya	0.9	0.1	5.3	0.8	13.5	17.7	61.4	0.4	5,762,320
Rural	0.2	0.1	0.6	0.3	1.6	7.5	89.6	0.1	3,413,616
Urban	1.9	0.0	12.0	1.4	30.9	32.5	20.4	0.7	2,348,704
Female headed households									
Kenya	0.6	0.0	4.6	0.7	7.9	15.5	70.6	0.1	2,731,060
Rural	0.1	0.0	0.5	0.3	1.0	6.5	91.5	0.1	1,826,263
Urban	1.6	0.0	13.0	1.5	21.7	33.6	28.5	0.3	904,797

The proportion of female headed households in urban areas who use primitive energy sources is higher at 28.8 percent than that of urban male headed households at 20.4 percent. However, higher numbers in male headed households means that, in urban areas, 498,000 male headed households use primitive fuels compared with 260,000 female headed households.

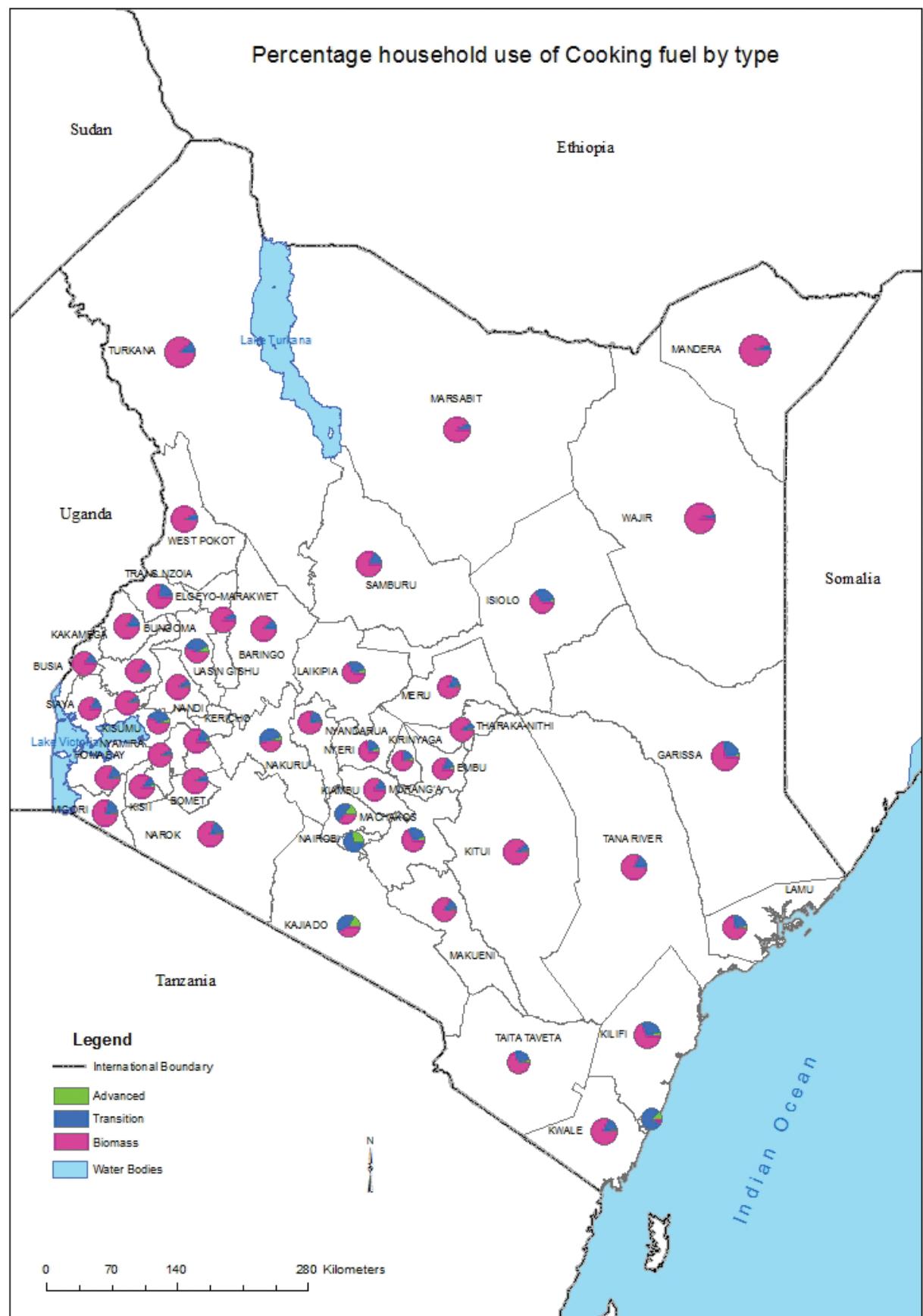
Factors contributing to the differentiated use of various sources of fuel include ease of access to fuel type such as firewood in rural areas, availability of distribution infrastructure for electricity, and income levels. The users of fuel-based lighting items such as lanterns often place them in close proximity, leading to inhalation of indoor pollutants. Emissions resulting from burning kerosene include carbon monoxide, carbon dioxide, sulphur dioxide, nitrogen dioxide, formaldehyde, and various VOCs (volatile organic carbons). Harmful effects include injury and infections of the respiratory system and carbon monoxide poisoning in kerosene fuel burning products.

The use of transition fuels is concentrated in counties close to the central areas of the country (see figure 6.3) compared with areas in the north eastern part of the country. This can be attributed to better infrastructure facilities such as higher connectivity of transport systems in the central regions and availability and lower cost of firewood in the north eastern region.

In four counties, namely Nairobi (27.6), Kiambu (15.5), Kajiado (15.0) and Mombasa (12.8), the use of high level energy sources is significantly above the national average of 6.6 percent (see table 6.17). Marsabit, Tana River, West Pokot counties at 0.6 percent and Mandera County at 0.5 percent have the lowest proportion of households using high level energy sources.

The use of transition fuels is highest in counties that have a high urban population, with the top three counties being Mombasa (79.5), Nairobi (70.4), and Kiambu (48.9). Paraffin (a transition fuel) is a significant part of households' expenditures for cooking in the country in both poor households, constituting 60 percent of expenditure, and non-poor households at 40 percent of expenditure (KNBS, 2008).

Figure 6.3: Household access to cooking fuel by type and county



Primitive fuels (firewood, animal waste and agricultural waste) for cooking are least used in Nairobi (2.0 percent) and Mombasa (7.7 percent) and mostly used in Wajir (95.3 percent), Mandera (93.7 percent) and Bomet (92.1 percent).

Table 6.17: Main cooking fuel by county

High		Transition		Primitive
Top 10 counties				
Nairobi County	27.6	Mombasa County	79.5	Wajir County
Kiambu County	15.5	Nairobi County	70.4	Mandera County
Kajiado County	15.0	Kiambu County	48.9	Bomet County
Mombasa County	12.8	Nakuru County	47.6	Marsabit County
Nakuru County	6.4	Kajiado County	43.7	West Pokot County
Uasin-Gishu County	6.3	Uasin-Gishu County	38.8	Vihiga County
Nyeri County	6.0	Kisumu County	36.5	Nyamira County
Kisumu County	4.9	Isiolo County	31.8	Elgey-Marakwet County
Laikipia County	4.6	Laikipia County	28.8	Nandi County
Machakos County	4.4	Taita-Taveta County	28.5	Tharaka Nithi County
Median county				
Narok County	1.7	Siaya County	16.3	Tana River County
Bottom 10 counties				
Busia County	1.0	Nandi County	9.5	Kilifi County
Bomet County	0.9	Tharaka Nithi County	9.2	Laikipia County
Samburu County	0.8	Elgey-Marakwet County	8.8	Isiolo County
Elgey-Marakwet County	0.7	Nyamira County	8.0	Kisumu County
Wajir County	0.7	West Pokot County	7.9	Uasin-Gishu County
Turkana County	0.7	Marsabit County	7.6	Nakuru County
Marsabit County	0.6	Vihiga County	7.5	Kajiado County
Tana River County	0.6	Bomet County	7.0	Kiambu County
West Pokot County	0.6	Mandera County	5.8	Mombasa County
Mandera County	0.5	Wajir County	4.0	Nairobi County

Female headed households in Nairobi County have the highest access to advanced fuel energy at 32.6 percent, 6.6 percentage points more than their male counterparts (see table 6.18).

The use of a high level energy source is 81 times less likely in a female headed household in Marsabit, Tana River, West Pokot and Samburu Counties than in a female headed household in Nairobi. There are small differences in the proportion of households using advanced fuels, compared to transition and primitive fuels between male and female headed households notably in Kisumu, Kajiado and Machakos.

Table 6.18: Main cooking fuel by county and gender of household head

County	% County	Male headed			Female headed			Percentage Difference (male % less female)				
		High		Transition	Primitive		High		Transition		Primitive	
		County	%	County	%	County	%	County	%	County	%	
Top 10 counties												
Nairobi	26.0	Mombasa	80.3	Wajir	95.6	Nairobi	32.6	Mombasa	76.7	Wajir	93.9	Kajiado
Kajiado	16.0	Nairobi	71.9	Madera	94.5	Kiambu	15.6	Nairobi	65.5	Marsabit	93.1	Kisumu
Kiambu	15.4	Kiambu	51.2	Bomet	92.3	Mombasa	14.9	Nakuru	43.6	West Pokot	92.8	Machakos
Mombasa	12.2	Nakuru	49.5	Marsabit	90.9	Kajiado	12.9	Kiambu	42.9	Vihiga	92.5	Isiolo
Nakuru	6.4	Kajiado	48.3	West Pokot	90.8	Uasin-Gishu	6.9	Uasin-Gishu	35.0	Nyamira	91.9	Taita-Taveta
Uasin-Gishu	6.0	Kisumu	42.9	Elgey-Marakwet	90.4	Nakuru	6.6	Garissa	33.9	Bomet	91.7	Samburu
Nyeri	6.0	Uasin-Gishu	40.4	Vihiga	90.3	Nyeri	6.0	Kajiado	33.5	Elgey-Marakwet	90.8	Narok
Kisumu	5.5	Isiolo	32.7	Nyamira	90.3	Kirinyaga	4.9	Isiolo	30.3	Kitui	90.8	Kisii
Machakos	5.0	Kilifi	30.8	Tharaka Nithi	89.9	Laikipia	4.4	Lamu	26.2	Madera	89.8	Migori
Laikipia	4.8	Laikipia	30.5	Nandi	89.4	Kilifi	3.8	Laikipia	25.8	Kisii	89.4	Lamu
Median county												
Trans-Nzoia	1.7	Homa Bay	18.2	Homa Bay	80.6	Nyandarua	1.5	Samburu	14.1	Kwale	84.7	West Pokot
Bottom 10 counties												
Busia	1.0	Nandi	9.3	Laikipia	64.7	Busia	0.8	Madera	9.7	Kisumu	71.2	Wajir
Baringo	1.0	Elgey-Marakwet	8.8	Machakos	64.4	Siaya	0.8	Kisii	9.2	Laikipia	69.8	Embu
Bomet	0.9	West Pokot	8.5	Isiolo	63.8	Wajir	0.7	Elgey-Marakwet	8.6	Isiolo	67.5	Tharaka Nithi
Elgey-Marakwet	0.8	Tharaka Nithi	8.4	Uasin-Gishu	53.6	Elgey-Marakwet	0.6	Kitui	8.3	Garissa	64.4	Kiambu
											-0.2	Kenicho
											-0.7	Samburu
											-2.4	Nyeri
											-8.1	Homa Bay
											-6.1	Kwale
											-7.5	Kilifi
											-8.1	Nandi
											-0.6	Embu
											-0.1	Siaya
											-0.7	Tharaka Nithi
											-0.1	Kitui
											-0.5	Nairobi
											-0.5	Kisumu
											-0.1	Wajir
											-0.1	Kajiado
											-0.8	Madera
											-0.8	Elgey-Marakwet
											-0.8	Uasin-Gishu
											-0.8	Isiolo
											-0.8	Kitui
											-0.8	Laikipia
											-0.8	Busia
											-0.8	Nandi
											-0.8	Siaya
											-0.8	Wajir
											-0.8	Kilifi
											-0.8	Homa Bay
											-0.8	Nyeri
											-0.8	Trans-Nzoia

Turkana	0.8	Nyamira	8.4	Kisumu	51.5	Mandera	0.5	Bomet	7.5	Uasin-Gishu	58.1	Nakuru	-0.3	Wajir	-1.6	Kiambu	-8.2
Marsabit	0.7	Marsabit	8.4	Nakuru	44.2	Turkana	0.5	Nyamira	7.2	Kajiado	53.6	Meru	-0.4	Kirinyaga	-1.8	Migori	-8.5
Wajir	0.7	Vihiga	8.2	Kajiado	35.7	Marsabit	0.4	West Pokot	6.8	Nakuru	49.8	Uasin-Gishu	-0.9	Meru	-2.3	Siaya	-8.9
Tana River	0.6	Bomet	6.8	Kiambu	33.4	Tana River	0.4	Vihiga	6.5	Kiambu	41.6	Kirinyaga	-1.1	Tharaka Nithi	-2.3	Machakos	-12.1
West Pokot	0.6	Mandera	5.0	Mombasa	7.5	West Pokot	0.4	Marsabit	6.5	Mombasa	8.4	Mombasa	-2.6	Mandera	-4.8	Kajiado	-17.9
Mandera	0.5	Wajir	3.7	Nairobi	2.1	Samburu	0.4	Wajir	5.4	Nairobi	1.9	Nairobi	-6.6	Gariisa	-11.4	Kisumu	-19.6

Constituency level indicators show significant differences from the county level data on household access to the various sources of cooking fuel. While Embakasi West (57.2 percent), Langata (46.3 percent) and Roysambu (41.9 percent) constituencies have the highest use of high level energy sources (Table 6.19). Very few households in Loima (0.2 percent) and Sigor (0.1 percent) constituencies use high level energy sources. In the bottom 10 constituencies, electricity use is non-existent in households and LPG, biogas and solar options are only available to a few households.

Similarly, the use of transition fuels is significantly higher in some constituencies than the national average of 28.5 percent. Mathare (88.1 percent), Changamwe (87.7 percent) and Ruaraka (87 percent) constituencies have the highest proportion of households using transition fuels for cooking compared with Tarbaj at 0.8 percent. Use of primitive fuels is higher than 90 percent in 94 constituencies, with the bottom 10 constituencies in use of these fuels based in Nairobi County. The use of transition fuels (paraffin and charcoal) and primitive fuels are dominant in both urban and rural areas.

Table 6.19: Main cooking fuel for cooking by constituency

High energy source		Transition		Primitive	
Top 10 constituencies					
Embakasi West	57.2	Mathare	88.1	Tarbaj	98.7
Langata	46.3	Changamwe	87.7	North Horr	98.5
Roysambu	41.9	Ruaraka	87.0	Mandera West	98.2
Starehe	39.4	Embakasi North	86.3	Lafey	98.2
Dagoreti North	37.3	Likoni	85.4	Lagdera	98.0
Embakasi East	37.0	Kibra	83.8	Mandera South	97.9
Westlands	36.2	Embakasi South	82.9	Wajir North	97.9
Kasarani	31.9	Nakuru Town West	82.1	Wajir West	97.9
Kajiado North	31.7	Kamukunji	80.3	Kacheliba	97.8
Mvita	30.9	Kisumu Central	79.8	Wajir South	97.7
Median constituency					
Taveta	1.4	Makueni	13.8	Makueni	85.0
Bottom 10 constituencies					
Ijara	0.3	Kacheliba	1.9	Starehe	1.5
Turkana East	0.3	Wajir South	1.7	Kibra	1.3
Laisamis	0.3	Wajir North	1.7	Mathare	1.2
North Horr	0.3	Wajir West	1.6	Ruaraka	1.2
Emurua Dikirr	0.3	Mandera South	1.6	Makadara	1.2
Turkana North	0.2	Lagdera	1.6	Embakasi West	1.1
Kacheliba	0.2	Lafey	1.5	Dagoreti North	1.0
Samburu North	0.2	Mandera West	1.4	Embakasi North	1.0
Loima	0.2	North Horr	1.3	Embakasi Central	0.9
Sigor	0.1	Tarbaj	0.8	Embakasi South	0.8

Gender based analysis of the use of various sources of cooking fuel at constituencies (see table 6.20) indicates a similar trend in variations between male and female headed households as at county level.

Table 6.20: Main cooking fuel by constituency and gender of household head

Constituency	High energy source			Transition			Primitive				
	Male	Female	Difference	Constituency	Male	Female	Difference	Constituency	Male	Female	Difference
Top 10 constituencies											
Kajiado West	8.0	4.1	3.89	Kisumu East	65.7	43.7	22.04	Mandera East	71.9	59.7	12.3
Narok West	4.8	1.4	3.46	Kajiado Central	41.1	24.0	17.06	Igembe South	79.1	72.2	6.9
Mumias West	7.7	4.5	3.21	Langata	54.2	38.6	15.60	South Imenti	85.1	78.3	6.7
Muhoroni	4.3	1.8	2.51	Awendo	28.5	13.2	15.27	Ganissa Township	23.6	17.3	6.3
Isiolo North	4.9	2.7	2.24	Kisumu West	31.6	16.7	14.94	Kirinyaga Central	75.7	71.6	4.1
Awendo	4.5	2.4	2.01	Bondo	34.4	19.6	14.76	Maara	91.0	87.1	3.9
Wundanyi	3.9	1.9	1.98	Suba North	30.1	16.2	13.96	Bureti	89.1	85.5	3.6
Laikipia North	3.0	1.4	1.60	Kajiado West	28.6	14.8	13.80	Mwea	66.6	63.3	3.3
Kajiado East	13.7	12.1	1.57	Muhoroni	27.5	14.1	13.31	Central Imenti	92.9	89.9	3.1
Kajiado Central	3.7	2.1	1.56	Dagoreti North	64.9	51.6	13.29	Gichugu	89.4	86.5	2.9
Median constituency											
Mukurwe-Ini	1.9	1.7	0.14	Kitutu Chache North	4.9	3.0	1.82	Mavoko	11.7	13.3	-1.6
Bottom 10 constituencies											
Nakuru Town West	8.0	12.6	(4.51)	Mwea	29.8	32.2	(2.36)	Homa Bay Town	57.2	70.7	-13.5
Nyali	14.2	19.5	(5.33)	Bomet Central	10.2	12.6	(2.46)	Samburu West	61.2	74.9	-13.7
Kajiado North	30.3	36.2	(5.91)	Chuka/gambangombe	11.7	14.4	(2.66)	Suba North	68.6	83.0	-14.4
Embakasi East	35.2	43.0	(7.75)	Central Imenti	5.8	8.8	(2.96)	Bondo	64.2	79.3	-15.1
Embakasi South	14.9	22.9	(8.01)	Bureti	9.4	12.9	(3.43)	Muhoroni	68.3	84.1	-15.8

Makadara	27.9	36.6	(8.70)	Maara	7.1	10.7	(3.57)	Kisumu West	65.1	81.0	-15.9
Starehe	36.9	46.3	(9.41)	Igemb South	18.3	24.1	(5.82)	Awerdo	67.1	84.4	-17.3
Kibra	12.8	23.4	(10.57)	South Imanti	13.0	19.0	(6.08)	Kajado West	63.4	81.1	-17.7
Dagoreti North	34.0	47.6	(13.59)	Gariisa Township	71.3	79.0	(7.66)	Kajado Central	55.2	73.9	-18.6
Langata	42.1	59.3	(17.23)	Mandera East	27.0	39.5	(12.46)	Kisumu East	30.6	52.7	-22.1

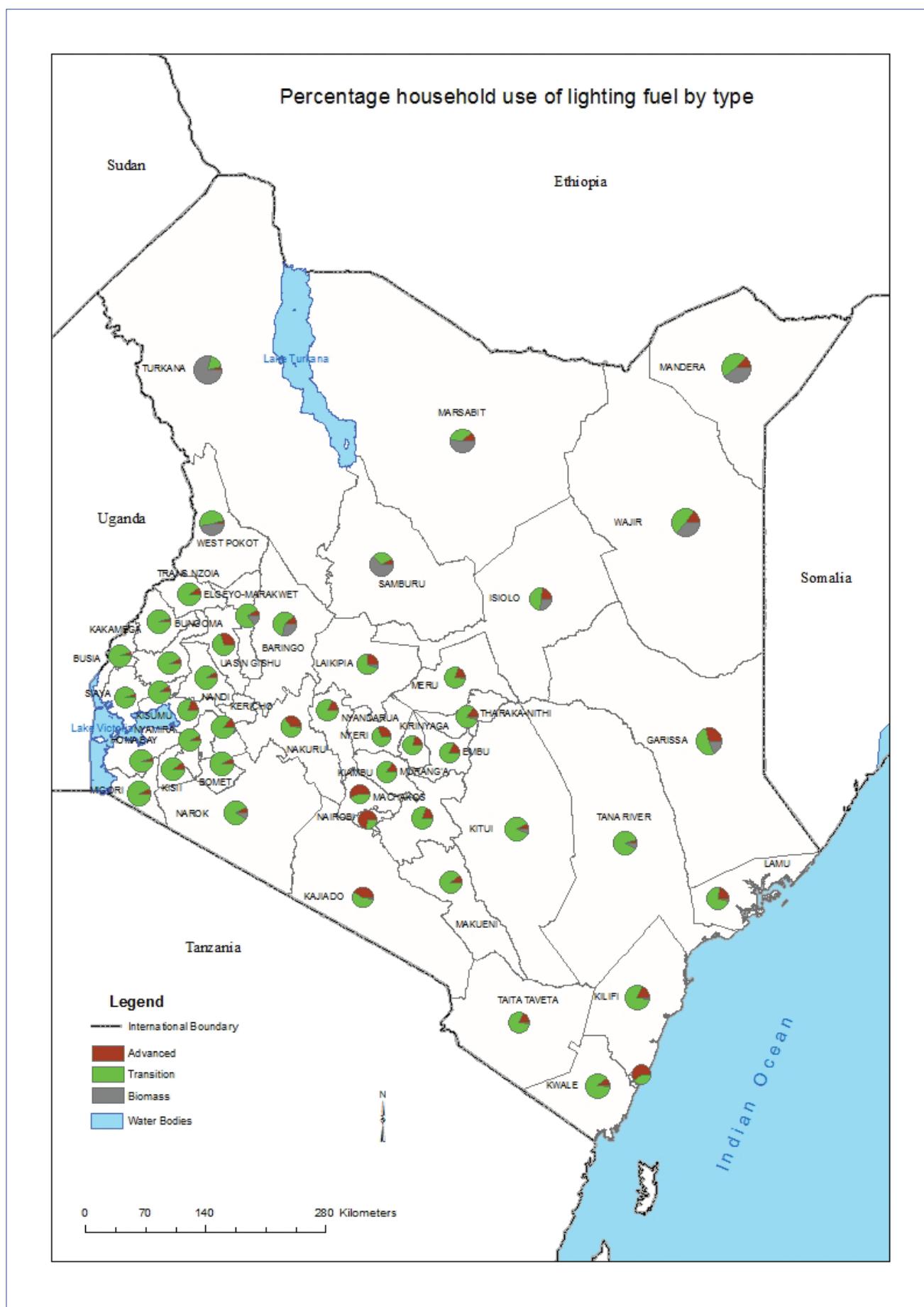
6.2.2 Lighting fuel

Nationally, the most commonly used form of lighting fuel is tin lamps at 38.5 percent, followed by lanterns and electricity at 30.6 percent and 22.9 percent respectively (see table 6.21). However the national outlook masks significant differences in the use of other less dominant sources of lighting fuels in urban areas. Overall, tin lamps, lanterns and fuel wood are predominant in rural areas whereas electricity as a source of lighting is higher in urban areas. Some 52.4 percent of male headed households in urban areas use electricity for lighting compared with 48.8 percent for female headed households. The use of renewable sources of energy, notably solar for lighting is low at 1.6 percent of all households. However, in Tharaka Nithi, Nyandarua, Laikipia, Meru and Lamu Counties, at least five percent of households use solar energy as their main source of lighting.

Table 6.21: Main lighting fuel, national, rural and urban by gender of household head

County	Electricity	Pressure Lamp	Lantern	Tin Lamp	Gas Lamp	Fuel wood	Solar	Other	Households
Total									
Kenya	22.9	0.6	30.6	38.5	0.9	4.3	1.6	0.6	8,493,380
Rural	5.2	0.4	34.7	49.0	1.0	6.7	2.2	0.7	5,239,879
Urban	51.4	0.8	23.9	21.6	0.6	0.4	0.7	0.6	3,253,501
Male headed households									
Kenya	24.6	0.6	30.4	36.8	0.9	4.2	1.7	0.7	5,762,320
Rural	5.6	0.5	35.3	47.5	1.1	6.8	2.4	0.7	3,413,616
Urban	52.4	0.9	23.3	21.2	0.6	0.4	0.7	0.7	2,348,704
Female headed households									
Kenya	19.2	0.5	31.0	42.1	0.8	4.5	1.4	0.5	2,731,060
Rural	4.5	0.4	33.7	51.8	0.8	6.5	1.8	0.5	1,826,263
Urban	48.8	0.8	25.4	22.6	0.7	0.6	0.6	0.5	904,797

Figure 6.4 shows the use of different sources of lighting across the county. Use of advanced fuels is highly concentrated in Nairobi County. This can be attributed to a higher population density and existence of supporting infrastructure for transmission of electric power.

Figure 6.4: Household use of lighting fuel by type and county

The top eight counties surpass the national average of households that use electricity for lighting, with Nairobi having the highest proportion at 72.3 percent followed by Mombasa (59.0 percent) and Kiambu (54.4 percent). A household in Nairobi is 30 times more likely to have electricity for lighting compared with those in Mandera, Tana River and Turkana, the bottom three counties in electricity use. Bomet (63.4 percent), Makueni (63.3 percent), and Nyandarua (55.2 percent) counties reported the highest use of lanterns, with the lowest in Turkana County at 8.6 percent. The use of tin lamps is highest in Kwale at 73.0 percent and Homa Bay and Siaya Counties at 72.9 percent each. In Turkana County, at least 73 percent of households use fuel wood for lighting.

There are gender differences in the use of various sources of lighting within counties (see table 6.23). In Kajiado, Kisumu and Machakos Counties, the proportion of male headed households using electricity for lighting exceeds that of female headed households by 12.1, 7.1 and 6.2 percentage points respectively. Conversely, in Garissa County, the proportion of female headed households using electricity for lighting is higher than that of male headed households. The highest proportion of the population using electricity for lighting is in Nairobi at 75.3 percent in female headed households, while the lowest use is in female headed households in Turkana at 1.6 percent, female headed households in Tana River at 2.1 percent and male headed households in Mandera at 2.1 percent (see table 6.22).

Table 6.22: Main lighting fuel by county

Electricity		Lantern		Tin Lamp		Fuel wood	
County	% Households	County	% Households	County	% Households	County	% Households
Bottom 10 counties							
Nairobi	72.3	Bomet	63.6	Kwale	73.2	Turkana	76.1
Mombasa	59.0	Makueni	63.4	Siaya	73.0	Samburu	60.7
Kiambu	54.4	Nyandarua	55.5	Homa Bay	73.0	Marsabit	47.1
Kajiado	40.0	Machakos	54.3	Busia	71.4	West Pokot	46.8
Nakuru	33.9	Kitui	54.1	Tana River	66.8	Mandera	36.7
Uasin-Gishu	27.9	Kericho	51.1	Bungoma	66.6	Wajir	29.3
Nyeri	26.2	Elgey-Marakwet	47.2	Migori	66.4	Baringo	27.9
Isiolo	18.7	Taita-Taveta	45.9	Kakamega	63.9	Isiolo	23.3
Kisumu	18.3	Uasin-Gishu	44.2	Kilifi	63.0	Elgey-Marakwet	15.2
Laikipia	18.1	Nandi	42.2	Vihiga	62.2	Garissa	13.3
Median county							
Trans-Nzoia	9.0	Wajir	31.0	Kericho	35.1	Makueni	0.6
Bottom 10 counties							
Kitui	4.8	Siaya	20.6	Mombasa	22.8	Nyandarua	0.3
Bungoma	4.4	Tana River	19.9	Baringo	20.1	Nyamira	0.2
Siaya	4.3	Garissa	19.4	Isiolo	19.6	Murang'a	0.2
Bomet	3.8	Kajiado	18.9	Samburu	19.4	Kisumu	0.2
Wajir	3.4	Kilifi	16.7	Kiambu	17.6	Siaya	0.2
Homa Bay	3.3	Mombasa	16.0	Wajir	17.2	Machakos	0.2
West Pokot	3.0	Nairobi	13.1	Mandera	13.1	Nandi	0.2
Mandera	2.5	Kwale	13.0	Nairobi	12.6	Mombasa	0.2
Tana River	2.4	Samburu	10.6	Marsabit	12.1	Kiambu	0.2
Turkana	2.2	Turkana	8.1	Turkana	9.2	Nairobi	0.1

Table 6.23: Main lighting fuel by county and differences by gender of household head

County	Electricity			Lantern			Tin Lamp			Fuel wood					
	Male	Female	Diff	County	Male	Female	Diff	County	Male	Female	Diff	County	Male	Female	Diff
Top 10 counties															
Kajiado	43.8	31.7	-12.1	Migori	27.4	22.8	-4.6	Lamu	39.9	36.7	-3.2	Mandera	38.3	29.7	-8.5
Kisumu	20.8	13.8	-7.1	Narok	30.5	26.0	-4.4	Nairobi	13.3	10.2	-3.1	Wajir	30.9	22.6	-8.2
Machakos	19.2	13.1	-6.2	Siaya	22.5	18.3	-4.2	Mombasa	23.3	21.0	-2.4	Garissa	14.5	9.2	-5.3
Kiambu	55.7	51.1	-4.6	Homa Bay	22.9	19.0	-4.0	Garissa	31.1	28.9	-2.2	Lamu	2.6	1.4	-1.2
Samburu	7.8	3.7	-4.1	Baringo	40.6	36.9	-3.7	West Pokot	25.6	23.5	-2.1	Tana River	6.4	5.3	-1.2
Isiolo	20.1	16.3	-3.8	Nyamira	41.5	37.9	-3.7	Baringo	20.8	18.9	-1.9	Marsabit	47.4	46.7	-0.7
Nakuru	35.1	31.4	-3.7	Kisii	32.9	29.5	-3.4	Taita-Taveta	35.2	34.0	-1.2	Taita-Taveta	0.7	0.3	-0.4
Laikipia	19.3	16.0	-3.3	Kilifi	17.8	14.4	-3.3	Makueni	25.7	25.0	-0.8	Nyeri	0.5	0.4	-0.1
Kwale	11.6	8.4	-3.2	Tharaka Nithi	32.7	29.5	-3.2	Kitui	31.6	31.2	-0.4	Kericho	0.3	0.3	-0.0
Kilifi	17.5	14.4	-3.1	Kirinyaga	34.4	31.6	-2.9	Turkana	9.3	9.0	-0.3	Nandi	0.2	0.2	-0.0
Median county															
Makueni	6.2	5.0	-1.2	Vihiga	28.7	27.9	-0.8	Kirinyaga	44.0	46.3	-2.3	Kisii	0.3	0.3	-0.0
Bottom 10 counties															
Nandi	6.2	6.4	-0.3	Marsabit	23.0	24.9	-1.9	Nariok	52.1	57.5	-5.4	Isiolo	23.1	23.5	-0.4
Elgey-Marakwet	6.8	7.2	-0.4	Kiambu	25.2	27.1	-1.9	Nyamira	49.6	55.5	-5.9	Tharaka Nithi	2.6	3.7	-1.0
Tharaka Nithi	8.0	8.8	-0.8	Isiolo	30.1	32.1	-2.0	Kwale	71.2	77.4	-6.2	Kajiado	1.8	3.0	-1.2
Meru	13.4	14.3	-0.9	Nakuru	35.4	37.7	-2.3	Homa Bay	70.2	76.5	-6.3	Turkana	75.6	77.0	-1.4
Kirinyaga	15.8	17.8	-2.0	Kitui	52.9	55.5	-2.7	Sieya	70.0	76.6	-6.6	Elgey-Marakwet	14.6	16.4	-1.8
Wajir	2.9	5.3	-2.3	Makueni	62.2	65.0	-2.7	Kilifi	60.7	67.6	-6.9	Laikipia	4.5	6.5	-1.9

Mandera	2.1	4.5	-2.5	Wajir	30.4	33.8	-3.4	Kisii	55.6	62.6	-7.0	Narok	7.0	9.0	-2.0
Mombasa	58.3	61.8	-3.5	Taita-Taveta	44.0	49.6	-5.6	Migori	63.4	71.2	-7.8	Samburu	58.6	63.1	-4.5
Nairobi	71.3	75.3	-4.0	Machakos	52.2	57.9	-5.7	Kisumu	52.6	62.6	-10.0	West Pokot	45.1	50.1	-5.1
Garissa	13.4	22.0	-8.6	Lamu	31.7	37.7	-6.0	Kajiado	31.6	44.5	-12.8	Baringo	25.5	32.4	-6.9

Differences in the use of various sources of lighting by constituency are highlighted in table 6.24. Disaggregated county level data indicates huge disparities in the use of various lighting sources. The use of electricity for lighting is highest in Embakasi West constituency at 88.0 percent. In the bottom five constituencies, use of electricity is non-existent while only a few households have access in the bottom 10 constituencies. On the other hand, household use of fuel wood for lighting is almost universal in Loima constituency in Turkana County, and non-existent in Makadara, Kasarani, Mathare, Embakasi North and Embakasi West constituencies in Nairobi County.

There are minor differences in the proportion of household use of various sources of lighting across male and female headed households. However, there are significant variations when comparison is made within a constituency. For example, in Kajiado West and Kajiado Central, the proportion of MHH using electricity for lighting is significantly higher than that of FHH, while in Langata constituency the converse is observed (see table 6.25).

Table 6.24: Main lighting fuel by constituency

Electricity		Lantern		Tin Lamp		Fuel wood	
Top 10 constituencies							
Embakasi West	88.0	Bomet Central	71.1	Lunga Lunga	85.0	Loima	93.2
Embakasi Central	83.4	Lamu East	70.9	Kinango	84.7	Tiaty	89.8
Mvita	82.4	Bomet East	69.4	Ndhiwa	83.4	Turkana North	88.3
Embakasi North	80.9	Makueni	69.3	Bumula	80.8	Kacheliba	82.3
Roysambu	80.6	Kaiti	68.7	Ganze	80.2	Laisamis	81.5
Dagoreti South	79.3	Bureti	68.6	Rangwe	80.0	Samburu North	80.2
Starehe	78.8	Kilome	68.0	Ugenya	79.7	Turkana West	76.3
Nakuru Town East	77.1	Chepalungu	67.4	Uriri	78.6	Turkana East	75.7
Ruiru	75.4	Kathiani	65.5	Seme	78.4	Samburu East	73.8
Kabete	74.6	Kipipiri	63.3	Budalangi	78.1	Turkana South	71.6
Median constituency							
Kigumo	7.7	Tarbaj	29.3	Marakwet West	37.3	Mbooni	0.4
Bottom 10 constituencies							
Banissa	0.1	Mathare	8.0	Mandera West	6.1	Ruiru	0.1
North Horr	0.1	Embakasi West	7.3	Roysambu	5.6	Starehe	0.1
Laisamis	0.1	Turkana West	7.2	Tarbaj	5.6	Ruaraka	0.1
Kacheliba	0.1	Mvita	6.5	Embakasi Central	4.6	Langata	0.1
Tarbaj	0.1	Kacheliba	6.3	North Horr	4.5	Westlands	0.1
Mandera West	0.1	Samburu North	6.1	Turkana North	3.7	Makadara	0.0
Lagdera	0.1	Dadaab	5.2	Embakasi West	3.0	Kasarani	0.0
Eldas	0.0	Tiaty	5.1	Tiaty	3.0	Mathare	0.0
Loima	0.0	Turkana North	2.7	Laisamis	2.8	Embakasi North	0.0
Wajir North	0.0	Loima	1.8	Loima	1.8	Embakasi West	0.0

Table 6.25: Main lighting fuel by constituency and differences by gender of household head

Constituency	Electricity			Lantern			Tin Lamp			Fuel wood					
	Male	Female	Diff	Constituency	Male	Female	Diff	Constituency	Male	Female	Diff	Constituency	Male	Female	Diff
Top 10 constituencies															
Kajjado West	26.5	12.6	13.9	Narok South	39.9	29.7	10.2	Dagoreti North	19.1	11.5	7.6	Isiolo South	34.4	16.0	18.4
Kajjado Central	27.4	14.6	12.8	Narok West	34.0	25.5	8.5	Langata	16.3	9.4	6.8	Mandera North	42.0	32.5	9.5
Samburu West	19.0	9.1	9.9	Nyatiike	31.4	24.9	6.5	Kibra	27.8	21.5	6.4	North Horr	71.7	62.6	9.1
Isiolo North	29.0	21.1	7.8	Kuria East	33.2	26.7	6.5	Makadara	14.3	9.0	5.2	Wajir North	45.3	37.4	7.9
Limuru	51.4	45.3	6.1	Samburu East	13.4	7.7	5.7	Lagdera	20.1	15.1	5.0	Lafey	32.9	25.4	7.5
Awendo	12.8	6.9	6.0	Laikipia North	27.4	21.8	5.7	Embakaasi South	21.3	16.3	5.0	Wajir South	23.1	15.8	7.2
Kajjado East	44.1	38.2	5.9	Sigowet/Soin West	42.7	37.2	5.5	Lamu East	13.5	8.6	4.9	Moyale	22.8	15.7	7.0
Wundanyi	19.6	13.8	5.8	Mugirango	40.9	35.5	5.4	Nakuru Town West	16.0	11.5	4.5	Wajir East	14.2	8.5	5.6
Saku	21.2	15.4	5.8	Kuria West	34.3	29.0	5.3	Mavoko	19.4	14.9	4.5	Lagdera	25.1	19.7	5.5
Kitui Central	16.9	11.1	5.8	Kigumo	46.6	41.4	5.1	Kacheliba	11.4	7.1	4.2	Wajir West	23.9	18.8	5.1
Median constituency															
Kuresoi North	2.9	2.2	0.7	Tigrania West	16.2	15.2	1.0	Tigania East	70.7	72.6	-2.0	Cherangany	0.6	0.7	0.0
Bottom 10 constituencies															
Embakasi South	57.6	63.4	-5.8	Wajir South	25.8	30.7	-4.9	Kitutu Chache South	44.7	52.9	-8.2	Laikipia North	18.5	23.0	-4.4
Starehe	77.2	83.2	-6.0	Lamu East	69.5	74.7	-5.2	Kisumu East	48.9	57.1	-8.2	Sigor	65.1	69.6	-4.5
Nyali	59.4	65.5	-6.0	Turbaj	28.5	33.7	-5.2	Kaldeni	67.8	76.0	-8.2	Baringo North	23.2	27.8	-4.5

Garissa Township	51.0	57.0	-6.1	Lamu West	24.3	29.6	-5.3	Kasipul	59.7	68.0	-8.3	Baringo South	16.3	20.9	-4.6
Kamukunji	70.1	76.4	-6.3	Wundanyi	44.9	50.5	-5.6	Homa Bay Town	59.6	68.3	-8.6	Turkana West	74.5	79.4	-4.8
Mvita	80.8	87.1	-6.3	Voi	51.6	57.5	-5.9	Kuria West	55.8	64.5	-8.7	Samburu West	30.3	35.6	-5.3
Kibra	58.3	65.4	-7.1	Mandera West	51.4	57.4	-6.0	Awendo	65.2	74.8	-9.6	Narok South	14.2	19.5	-5.3
Makadara	67.2	74.7	-7.5	Moyale	38.4	44.4	-6.1	Narok West	45.5	58.2	-12.7	Kacheliba	79.5	86.9	-7.5
Dagoreti North	65.4	75.2	-9.8	Lagdera	32.0	41.4	-9.4	Kajiado Central	50.3	64.7	-14.4	Isiolo North	18.0	25.8	-7.8
Langata	67.6	79.7	-12.1	Isiolo South	42.2	54.9	-12.7	Kajiado West	46.4	61.9	-15.5	Samburu East	68.5	78.8	-10.4

Access to clean fuels is a challenge for many households, particularly in the rural areas, reflecting high inequalities in use of clean energy. Other issues including cost of energy and environmental concerns are increasingly becoming important aspects that influence household welfare. For example, some households must spend more for paraffin due to their distance from Mombasa port, which leads to inequality in access.



6.3 Housing and energy annex tables

Annex table 18: Main material of the floor of the main dwelling unit by county and constituency

County/constituency	Cement	Tiles	Wood	Earth	Other	Households
Kenya	41.2	1.6	0.7	56.0	0.5	8,493,380
Rural	22.1	0.3	0.7	76.5	0.4	5,239,879
Urban	71.8	3.5	0.9	23.0	0.8	3,253,501
Nairobi County	82.3	6.7	1.9	8.8	0.3	968,477
Westlands	73.8	11.5	7.3	6.9	0.5	55,568
Dagoreti North	75.6	10.0	12.2	2.0	0.3	56,709
Dagoreti South	94.3	2.2	0.2	3.1	0.1	55,562
Langata	57.8	24.9	4.2	12.6	0.4	52,656
Kibra	62.9	5.9	2.0	29.0	0.2	63,093
Roysambu	86.3	6.7	0.8	6.1	0.1	57,677
Kasarani	82.4	7.5	0.3	9.2	0.6	49,825
Ruaraka	82.9	0.7	0.3	16.0	0.1	60,347
Embakasi South	94.8	2.8	0.1	2.2	0.1	74,703
Embakasi North	95.3	0.5	0.1	3.9	0.3	60,186
Embakasi Central	92.5	3.4	0.1	3.6	0.3	57,762
Embakasi East	75.4	17.3	1.5	5.5	0.4	48,931
Embakasi West	91.2	4.3	0.4	3.6	0.5	44,912
Makadara	85.7	9.0	1.3	3.8	0.2	58,834
Kamukunji	82.2	2.2	0.6	14.4	0.6	58,896
Starehe	83.2	10.5	2.0	4.0	0.4	49,636
Mathare	78.7	0.4	0.4	20.3	0.3	63,180
Nyandarua County	28.7	0.3	1.5	68.2	1.2	140,745
Kinangop	31.1	0.3	1.9	66.5	0.2	44,537
Kipipiri	19.8	0.2	2.1	76.9	1.0	21,804
Ol Kalou	31.1	0.4	0.8	66.6	1.1	26,880
Ol Jorok	32.9	0.4	1.2	63.7	1.8	24,144
Ndaragwa	25.5	0.3	1.6	69.6	2.9	23,380
Nyeri County	41.1	0.5	1.6	56.4	0.3	199,476
Tetu	33.4	0.4	3.0	62.9	0.3	21,428
Kieni	32.5	0.2	1.8	65.3	0.2	50,898
Mathira	43.0	0.5	1.5	54.5	0.6	43,437
Othaya	39.7	0.4	1.2	58.5	0.2	23,907
Mukurwe-Ini	29.4	0.4	0.8	69.3	0.1	23,850
Nyeri Town	64.4	1.3	1.4	32.5	0.5	35,956
Kirinyaga County	39.1	0.4	0.5	59.8	0.3	152,646
Mwea	35.4	0.3	0.3	63.6	0.4	55,098
Gichugu	37.7	0.3	0.7	61.1	0.2	35,870
Ndia	40.1	0.5	0.4	58.8	0.1	29,233
Kirinyaga Central	45.8	0.8	0.6	52.6	0.2	32,445
Muranga County	38.9	0.5	0.4	59.8	0.3	252,176
Kangema	36.9	0.3	0.6	61.7	0.5	21,719
Mathioya	31.0	0.3	0.9	67.7	0.1	24,489
Kiharu	41.3	0.6	0.4	57.5	0.2	50,751
Kigumo	31.4	0.3	0.4	67.7	0.1	32,872
Maragwa	38.3	0.5	0.3	60.8	0.1	39,638
Kandara	38.0	0.4	0.4	61.1	0.2	40,704

Gatanga	48.9	1.0	0.4	48.8	0.9	42,003
Kiambu County	74.7	2.2	0.4	22.5	0.1	456,310
Gatundu South	49.9	0.8	0.4	48.9	0.1	29,618
Gatundu North	47.1	0.9	0.3	51.6	0.1	24,960
Juja	82.0	2.8	0.2	14.8	0.2	36,805
Thika Town	77.2	2.2	0.2	20.2	0.1	51,421
Ruiru	90.8	3.5	0.3	5.2	0.2	63,701
Githunguri	67.4	1.0	0.4	31.1	0.1	38,845
Kiambu	82.4	4.1	0.5	12.8	0.2	31,187
Kiambaa	85.2	2.6	0.5	11.6	0.1	41,543
Kabete	87.8	2.1	0.4	9.7	0.1	40,275
Kikuyu	78.1	3.0	0.5	18.2	0.1	35,459
Limuru	70.5	1.4	1.0	26.8	0.3	32,228
Lari	45.0	1.0	0.7	53.1	0.2	30,268
Mombasa County	77.1	4.6	0.2	13.6	4.5	265,997
Changamwe	78.7	1.2	0.1	8.6	11.3	41,861
Jomvu	65.8	1.8	0.2	25.4	6.8	34,831
Kisauni	74.6	3.5	0.2	20.5	1.1	52,182
Nyali	78.6	7.8	0.3	11.5	1.8	54,570
Likoni	85.4	0.8	0.2	7.9	5.7	49,702
Mvita	76.2	13.8	0.3	8.4	1.2	32,851
Kwale County	28.7	0.6	0.2	70.1	0.4	119,372
Msabweni	57.7	1.8	0.2	39.5	0.8	32,121
Lunga Lunga	13.5	0.2	0.1	85.8	0.3	26,680
Matuga	29.3	0.4	0.2	69.8	0.3	27,745
Kinango	12.2	0.1	0.2	87.4	0.1	32,826
Kilifi County	32.4	1.1	0.3	65.0	1.2	190,729
Kilifi North	36.7	1.1	0.3	58.1	3.8	35,618
Kilifi South	40.6	2.3	0.3	55.7	1.1	35,808
Kaloleni	27.2	0.9	0.2	71.6	0.1	24,455
Rabai	25.0	0.5	0.2	73.0	1.2	15,879
Ganze	6.5	0.1	0.2	93.1	0.2	19,838
Malindi	55.7	1.5	0.3	42.0	0.6	33,182
Magarini	14.8	0.5	0.3	83.9	0.4	25,949
Tana River County	10.7	0.2	0.3	88.4	0.5	45,227
Garsen	7.9	0.2	0.2	91.0	0.7	17,972
Galole	12.8	0.1	0.3	86.4	0.4	11,324
Bura	12.4	0.2	0.4	86.7	0.3	15,931
Lamu County	36.8	0.3	0.3	61.7	0.9	21,058
Lamu East	43.9	0.1	0.3	52.7	3.0	3,522
Lamu West	35.3	0.3	0.3	63.5	0.5	17,536
Taita-Taveta County	42.8	0.6	0.3	54.6	1.6	70,283
Taveta	35.3	0.6	0.2	62.3	1.6	16,115
Wundanyi	39.6	0.8	0.5	58.4	0.6	14,426
Mwatate	36.4	0.3	0.4	59.6	3.3	17,935
Voi	55.7	0.8	0.2	42.4	1.0	21,807
Marsabit County	16.6	0.3	0.3	82.0	0.9	53,599
Moyale	31.7	0.6	0.3	66.0	1.4	15,693

North Horr	1.7	0.0	0.2	97.6	0.5	15,131
Saku	30.1	0.4	0.5	68.5	0.5	9,482
Laisamis	6.3	0.0	0.2	92.6	0.9	13,293
Isiolo County	29.0	0.5	0.4	69.9	0.2	30,877
Isiolo North	37.9	0.7	0.4	60.7	0.2	22,149
Isiolo South	6.3	0.1	0.3	93.0	0.3	8,728
Meru County	37.5	0.5	2.1	59.6	0.5	311,265
Igembe South	37.7	0.2	1.8	60.0	0.3	29,729
Igembe Central	22.5	0.2	5.6	71.4	0.4	38,395
Igembe North	23.8	0.2	2.5	73.1	0.4	29,148
Tigania West	19.7	0.2	3.4	75.8	0.9	28,132
Tigania East	19.7	0.2	1.1	78.8	0.2	30,892
North Imenti	63.4	1.6	1.4	33.4	0.2	40,314
Buuri	41.5	0.4	1.0	56.2	0.9	38,826
Central Imenti	45.8	0.3	0.9	52.8	0.2	29,562
South Imenti	49.9	0.5	1.1	47.9	0.5	46,267
Tharaka Nithi County	32.8	0.3	0.9	65.8	0.2	86,790
Maara	42.2	0.5	1.3	55.8	0.2	27,674
Chuka/Igambangombe	37.9	0.3	0.7	60.9	0.2	32,892
Tharaka	16.6	0.2	0.7	82.4	0.1	26,224
Embu County	39.9	0.5	0.5	58.6	0.5	128,079
Manyatta	54.9	0.7	0.6	43.2	0.7	40,830
Runyenjes	35.9	0.3	0.6	62.2	0.9	36,510
Mbeere South	32.7	0.4	0.4	66.4	0.1	29,929
Mbeere North	27.7	0.4	0.3	71.5	0.1	20,810
Kitui County	32.4	0.6	0.3	66.5	0.2	201,692
Mwingi North	17.7	0.3	0.6	81.2	0.2	25,778
Mwingi West	48.4	0.8	0.2	50.5	0.1	26,387
Mwingi Central	26.4	0.4	0.4	72.5	0.2	24,228
Kitui West	48.6	1.0	0.2	50.1	0.1	21,979
Kitui Rural	26.5	0.5	0.2	72.7	0.1	21,132
Kitui Central	52.6	0.9	0.3	46.0	0.2	28,415
Kitui East	21.7	0.3	0.4	77.3	0.2	23,551
Kitui South	17.4	0.4	0.3	81.8	0.2	30,222
Machakos County	58.3	1.6	0.2	39.8	0.1	260,780
Masinga	37.1	0.7	0.2	61.9	0.1	26,892
Yatta	45.8	0.4	0.1	53.4	0.2	32,655
Kangundo	59.2	0.9	0.1	39.7	0.1	21,841
Matungulu	51.2	0.7	0.1	47.8	0.1	28,183
Kathiani	51.6	0.9	0.2	47.3	0.1	23,163
Mavoko	82.9	5.0	0.3	11.8	0.1	44,156
Machakos Town	68.3	1.7	0.2	29.6	0.1	48,438
Mwala	51.2	0.7	0.2	47.7	0.2	35,452
Makueni County	45.5	0.6	0.2	53.5	0.2	184,494
Mbooni	44.0	0.6	0.3	55.0	0.1	38,236
Kilome	47.0	0.7	0.2	51.8	0.3	19,453
Kaiti	49.0	0.9	0.2	49.8	0.1	24,726
Makueni	46.8	0.5	0.1	52.3	0.2	38,720

Kibwezi West	46.1	0.6	0.2	52.9	0.2	36,028
Kibwezi East	41.0	0.5	0.2	58.2	0.1	27,331
Garissa County	24.9	0.5	0.4	73.4	0.8	69,369
Garissa Township	71.1	1.3	0.6	25.1	1.9	19,858
Balambala	2.2	0.1	0.2	97.2	0.3	10,666
Lagdera	1.7	0.1	0.2	97.6	0.5	11,674
Dadaab	7.8	0.0	0.8	90.9	0.5	9,244
Fafi	4.2	0.1	0.1	95.2	0.4	6,085
Ijara	14.8	0.4	0.5	84.1	0.2	11,842
Wajir County	7.2	0.1	0.2	92.1	0.3	77,040
Wajir North	4.9	0.1	0.4	94.4	0.3	14,010
Wajir East	22.7	0.2	0.1	76.5	0.5	15,804
Tarbaj	0.2	0.0	0.5	99.1	0.2	10,366
Wajir West	3.0	0.0	0.1	96.6	0.3	11,879
Eldas	1.4	0.0	0.2	97.9	0.4	9,187
Wajir South	5.1	0.2	0.2	94.1	0.4	15,794
Mandera County	7.4	0.1	0.5	91.7	0.3	120,077
Mandera West	6.7	0.1	0.4	92.6	0.2	17,422
Banissa	1.9	0.1	0.3	97.6	0.2	18,876
Mandera North	3.4	0.1	0.5	95.7	0.3	20,170
Mandera South	8.0	0.1	0.5	91.3	0.2	28,904
Mandera East	25.4	0.4	1.0	72.7	0.6	16,893
Lafey	0.3	0.1	0.4	99.0	0.3	17,812
Siaya County	28.8	0.4	0.4	70.0	0.4	195,408
Ugenya	22.7	0.3	0.5	76.2	0.4	25,590
Ugunja	24.4	0.4	0.3	74.8	0.2	21,957
Alego Usonga	29.9	0.4	0.4	69.2	0.1	44,457
Gem	20.2	0.3	0.4	78.2	0.8	36,396
Bondo	41.8	0.6	0.3	56.7	0.5	36,356
Rarieda	30.5	0.3	0.3	68.8	0.1	30,652
Kisumu County	42.2	1.6	0.4	55.3	0.5	221,857
Kisumu East	53.8	1.3	0.3	44.4	0.2	36,907
Kisumu West	40.0	1.0	0.2	58.8	0.1	28,474
Kisumu Central	80.5	5.5	0.4	12.5	1.2	43,062
Seme	24.4	0.2	0.3	74.5	0.5	22,648
Nyando	17.8	0.5	0.4	80.7	0.6	29,868
Muhoroni	30.4	0.3	0.5	68.5	0.3	32,910
Nyakach	24.6	0.4	0.9	73.6	0.5	27,988
Homa Bay County	24.3	0.3	0.3	74.8	0.3	203,192
Kasipul	32.0	0.4	0.3	67.2	0.1	24,205
Kabondo Kasipul	22.9	0.3	0.3	76.2	0.3	22,003
Karachuonyo	24.6	0.4	0.3	74.4	0.4	33,933
Rangwe	16.1	0.2	0.3	83.2	0.1	20,661
Homa Bay Town	42.8	0.5	0.3	55.9	0.5	21,309
Ndhiwa	12.1	0.2	0.3	87.0	0.4	36,524
Suba North	31.2	0.2	0.3	68.2	0.1	23,540
Suba South	19.7	0.2	0.3	79.4	0.4	21,017
Migori County	26.8	0.4	0.5	72.1	0.2	166,487

Rongo	29.1	0.5	0.4	69.7	0.3	19,499
Awendo	35.5	0.5	0.5	63.4	0.1	21,819
Suna East	32.0	0.5	0.4	66.7	0.3	18,664
Suna West	34.1	0.5	0.3	64.9	0.1	18,221
Uriri	17.0	0.2	0.3	82.4	0.1	20,867
Nyatike	29.2	0.4	0.4	69.7	0.3	27,333
Kuria West	23.6	0.4	0.5	75.2	0.3	27,354
Kuria East	7.8	0.1	1.1	90.6	0.4	12,730
Kisii County	21.4	0.4	0.5	77.3	0.4	236,488
Bonchari	17.3	0.4	0.2	81.7	0.3	23,385
South Mugirango	11.7	0.2	0.5	87.3	0.2	31,384
Bomachoge Borabu	19.1	0.2	1.1	79.3	0.2	20,266
Bobasi	17.7	0.3	0.6	80.8	0.6	38,516
Bomachoge Chache	18.4	0.3	0.4	80.0	0.9	18,086
Nyaribari Masaba	21.8	0.3	0.4	77.2	0.3	25,454
Nyaribari Chache	34.8	0.6	0.9	63.4	0.3	27,895
Kitutu Chache North	8.2	0.1	0.3	91.2	0.2	22,372
Kitutu Chache South	40.1	0.8	0.2	58.4	0.4	29,130
Nyamira County	22.7	0.3	0.5	76.1	0.4	127,735
Kitutu Masaba	20.9	0.3	0.4	78.0	0.5	42,408
West Mugirango	21.8	0.4	0.7	77.0	0.1	33,897
North Mugirango	14.2	0.2	0.4	85.0	0.2	25,234
Borabu	34.8	0.6	0.4	63.3	1.0	26,196
Turkana County	6.9	0.2	1.0	91.4	0.5	106,554
Turkana North	2.5	0.1	0.5	96.6	0.4	19,299
Turkana West	7.2	0.2	1.3	90.3	1.0	21,353
Turkana Central	16.4	0.2	0.5	82.3	0.6	21,781
Loima	0.8	0.0	1.7	96.8	0.7	16,285
Turkana South	7.2	0.5	0.7	91.4	0.1	16,872
Turkana East	3.7	0.0	1.3	94.8	0.2	10,964
West Pokot County	13.1	0.2	0.5	85.9	0.3	78,946
Kapenguria	25.9	0.4	0.7	72.8	0.3	26,660
Sigor	4.7	0.0	0.4	94.7	0.1	14,840
Kacheliba	3.5	0.0	0.5	95.5	0.6	15,338
Pokot South	10.0	0.0	0.5	89.3	0.1	22,108
Samburu County	16.0	0.2	0.4	83.0	0.5	45,363
Samburu West	26.5	0.4	0.3	72.7	0.1	16,955
Samburu North	7.0	0.1	0.3	92.3	0.4	15,824
Samburu East	13.2	0.1	0.5	85.1	1.1	12,584
Trans-Nzoia County	25.9	0.5	0.5	72.5	0.6	166,597
Kwanza	21.5	0.4	0.3	77.0	0.7	32,386
Endebess	9.7	0.2	0.5	88.8	0.7	17,505
Saboti	39.2	0.5	0.5	59.0	0.8	38,823
Kiminini	31.2	1.0	0.5	66.8	0.4	39,341
Cherangany	18.0	0.3	0.5	80.8	0.4	38,542
Baringo County	24.5	0.3	1.7	73.1	0.4	107,133
Tiaty	4.0	0.0	0.7	95.1	0.2	21,152
Baringo North	20.1	0.2	1.4	78.1	0.2	18,935

Baringo Central	46.0	0.8	0.8	52.1	0.4	15,864
Baringo South	19.3	0.1	0.9	79.6	0.2	16,823
Mogotio	22.7	0.4	0.4	75.8	0.7	11,853
Eldama Ravine	37.1	0.4	4.8	56.9	0.7	22,506
Uasin-Gishu County	46.2	1.7	0.8	50.8	0.6	198,069
Soy	28.3	0.5	0.5	70.6	0.1	32,080
Turbo	54.8	1.9	0.3	42.6	0.4	49,792
Moiben	50.5	1.3	0.7	46.7	0.7	33,638
Ainabkoi	43.4	3.6	1.2	49.9	1.8	22,241
Kapseret	55.9	1.2	0.5	42.0	0.4	33,975
Kesses	35.7	2.3	2.2	59.4	0.4	26,343
Elgeyo Marakwet County	21.4	0.2	0.9	77.0	0.5	75,749
Marakwet East	11.3	0.1	0.5	87.6	0.5	17,648
Marakwet West	18.7	0.1	0.6	80.5	0.1	20,968
Keiyo North	33.1	0.3	0.6	64.8	1.2	15,226
Keiyo South	24.0	0.3	1.8	73.4	0.4	21,907
Nandi County	29.6	0.4	0.5	68.7	0.9	150,495
Tinderet	23.7	0.1	0.6	74.7	0.9	19,091
Aldai	19.7	0.2	0.3	79.2	0.5	28,784
Nandi Hills	45.6	0.4	0.6	51.0	2.4	24,015
Chesumei	35.1	0.9	0.4	63.2	0.4	26,009
Emgwen	33.1	0.5	0.5	65.2	0.8	26,879
Mosop	20.7	0.2	0.4	78.1	0.6	25,717
Laikipia County	33.1	0.6	1.0	65.1	0.3	97,112
Laikipia West	32.7	0.6	1.1	65.5	0.2	47,960
Laikipia East	43.7	1.1	1.0	53.9	0.3	31,010
Laikipia North	15.9	0.2	0.5	83.1	0.3	18,142
Nakuru County	50.8	1.2	0.8	46.8	0.4	401,645
Molo	35.8	0.6	1.9	61.6	0.2	29,907
Njoro	24.5	0.5	0.9	74.0	0.1	42,322
Naivasha	66.9	1.1	0.3	30.9	0.7	67,277
Gilgil	45.2	1.1	0.9	51.5	1.4	36,299
Kuresoi South	17.6	0.2	1.1	80.9	0.2	22,940
Kuresoi North	11.4	0.1	2.0	86.2	0.3	26,048
Subukia	29.7	0.3	0.9	68.9	0.3	21,760
Rongai	41.2	2.1	0.7	55.6	0.4	30,832
Bahati	52.7	1.4	0.6	44.8	0.4	34,942
Nakuru Town West	87.6	1.3	0.6	10.4	0.1	45,137
Nakuru Town East	84.5	3.2	0.6	11.7	0.1	44,181
Narok County	14.5	0.2	0.6	84.1	0.5	163,823
Kilgoris	14.8	0.2	0.5	84.2	0.3	31,705
Emurua Dikirr	3.0	0.0	0.4	96.5	0.1	16,347
Narok North	27.4	0.6	0.8	70.8	0.4	37,654
Narok East	14.6	0.2	0.6	84.2	0.4	17,305
Narok South	6.5	0.1	0.7	92.2	0.5	33,871
Narok West	13.1	0.1	0.4	85.1	1.3	26,941
Kajiado County	57.2	3.6	0.3	38.5	0.4	170,129
Kajiado North	80.9	7.7	0.4	10.4	0.6	56,678

Kajiado Central	37.5	0.8	0.2	61.3	0.2	22,398
Kajiado East	72.0	3.1	0.2	24.4	0.2	36,689
Kajiado West	34.3	1.4	0.3	63.6	0.4	25,232
Kajiado South	27.5	0.3	0.4	71.4	0.4	29,132
Kericho County	34.4	0.4	0.7	64.2	0.3	154,132
Kipkelion East	33.5	0.3	1.4	64.6	0.2	22,520
Kipkelion West	11.1	0.1	1.6	87.1	0.2	18,864
Ainamoi	53.8	0.7	0.5	44.7	0.3	32,267
Bureti	25.9	0.3	0.6	72.8	0.5	31,560
Belgut	49.0	0.4	0.5	49.7	0.4	28,595
Sigowet/Soin	18.5	0.1	0.3	80.8	0.2	20,326
Bomet County	23.5	0.2	0.5	75.2	0.6	141,219
Sotik	21.0	0.3	0.6	77.9	0.2	31,878
Chepalungu	7.3	0.1	0.5	91.9	0.1	30,094
Bomet East	11.7	0.1	0.5	87.6	0.2	23,897
Bomet Central	26.4	0.2	0.6	72.6	0.1	23,572
Konoin	48.0	0.4	0.5	49.1	2.0	31,778
Kakamega County	18.4	0.3	0.4	80.4	0.4	349,735
Lugari	16.2	0.3	0.3	83.1	0.1	33,251
Likuyani	24.9	0.4	0.3	74.1	0.3	25,690
Malava	12.8	0.1	0.3	86.4	0.5	40,053
Lurambi	45.9	1.1	0.4	52.0	0.6	36,197
Navakholo	8.0	0.1	0.4	91.1	0.5	27,107
Mumias West	32.7	0.5	0.5	65.9	0.4	25,915
Mumias East	12.9	0.3	1.1	84.6	1.1	21,148
Matungu	13.4	0.2	0.3	85.5	0.7	30,486
Butere	12.4	0.3	0.4	86.7	0.2	30,479
Khwisero	10.8	0.2	0.5	88.3	0.2	23,225
Shinyalu	14.3	0.3	0.5	84.6	0.4	33,555
Ikolomani	10.6	0.2	0.4	88.6	0.1	22,629
Vihiga County	19.6	0.4	0.4	79.4	0.3	120,416
Vihiga	23.1	0.6	0.3	75.5	0.6	20,143
Sabatia	20.1	0.3	0.4	78.9	0.2	27,275
Hamisi	19.7	0.3	0.6	79.2	0.2	30,724
Luanda	21.4	0.4	0.5	77.5	0.3	22,246
Emuhaya	13.0	0.2	0.4	86.1	0.1	20,028
Bungoma County	19.8	0.4	0.3	79.3	0.2	260,628
Mt Elgon	12.7	0.2	0.4	86.4	0.4	31,587
Sirisia	18.1	0.2	0.2	81.5	0.1	19,819
Kabuchai	15.2	0.1	0.3	84.0	0.3	27,260
Bumula	10.3	0.4	0.2	88.9	0.2	34,280
Kanduyi	36.3	0.8	0.3	62.4	0.2	46,059
Webuye East	23.8	0.3	0.3	75.6	0.1	19,017
Webuye West	21.4	0.6	0.2	77.4	0.3	24,124
Kimilili	19.1	0.3	0.3	80.1	0.3	24,454
Tongaren	15.8	0.2	0.4	83.3	0.2	34,028
Busia County	23.4	0.4	0.3	75.7	0.2	147,910
Teso North	29.8	0.5	0.2	69.4	0.2	22,917

Teso South	19.9	0.4	0.3	79.3	0.3	24,451
Nambale	18.9	0.2	0.6	80.1	0.1	18,672
Matayos	34.0	0.7	0.5	64.5	0.2	23,278
Butula	14.9	0.2	0.3	84.5	0.2	25,148
Funyula	19.5	0.3	0.2	79.6	0.4	18,411
Budalangi	27.6	0.2	0.3	71.8	0.1	15,033

Annex table 19: Main material of the floor of the main dwelling unit for male and female headed households by county and constituency

Male headed households							Female headed households						
County/constituency	Cement	Tiles	Wood	Earth	Other	Households	County/constituency	Cement	Tiles	Wood	Earth	Other	Households
Kenya	42.8	1.6	0.8	54.2	0.6	5,762,320	Kenya	37.7	1.4	0.7	59.8	0.5	2,731,060
Rural	22.1	0.3	0.7	76.4	0.4	3,413,616	Rural	22.2	0.3	0.6	76.6	0.3	1,826,283
Urban	72.9	3.5	0.9	21.9	0.8	2,348,704	Urban	69.0	3.6	0.9	25.8	0.8	904,797
Nairobi County	82.6	6.2	1.9	9.0	0.3	739,199	Nairobi County	81.2	8.2	2.1	8.2	0.3	229,278
Westlands	73.2	11.9	7.6	6.8	0.6	43,574	Westlands	76.0	10.1	6.1	7.5	0.4	11,994
Dagoreti North	77.6	9.0	11.1	2.0	0.3	43,240	Dagoreti North	69.2	13.3	15.5	1.8	0.3	13,469
Dagoreti South	94.7	2.1	0.2	2.9	0.1	42,170	Dagoreti South	93.3	2.6	0.2	3.8	0.1	13,392
Langata	59.0	22.6	4.3	13.7	0.4	39,741	Langata	54.3	32.0	4.0	9.4	0.3	12,915
Kibra	62.8	4.9	1.8	30.3	0.1	49,942	Kibra	63.2	9.4	2.9	24.2	0.2	13,151
Roysambu	86.1	6.8	0.9	6.1	0.1	42,234	Roysambu	86.8	6.7	0.5	5.9	0.1	15,443
Kasarani	82.9	7.2	0.4	9.1	0.6	37,967	Kasarani	80.9	8.6	0.3	9.6	0.6	11,858
Ruaraka	83.4	0.7	0.3	15.5	0.1	48,375	Ruaraka	81.1	0.7	0.3	17.7	0.2	11,972
Embakasi South	95.2	2.4	0.1	2.2	0.1	61,440	Embakasi South	92.8	4.8	0.2	2.1	0.1	13,263
Embakasi North	95.4	0.5	0.1	3.8	0.3	45,086	Embakasi North	95.0	0.4	0.1	4.2	0.3	15,100
Embakasi Central	92.8	3.3	0.1	3.5	0.3	44,069	Embakasi Central	91.6	3.9	0.1	4.1	0.4	13,693
Embakasi East	76.3	16.2	1.5	5.7	0.4	37,845	Embakasi East	72.3	21.0	1.5	4.9	0.4	11,086
Embakasi West	91.1	4.3	0.4	3.7	0.5	32,893	Embakasi West	91.5	4.5	0.3	3.3	0.5	12,019
Makadara	86.1	8.6	1.3	3.9	0.2	43,355	Makadara	84.6	10.4	1.3	3.5	0.2	15,479

Kamukunji	81.5	2.1	0.6	15.2	0.6	42,495	Kamukunji	84.3	2.5	0.5	12.2	0.5	16,401
Starehe	84.0	9.4	1.9	4.4	0.4	36,497	Starehe	81.0	13.5	2.1	3.0	0.4	13,139
Mathare	79.1	0.4	0.4	19.9	0.3	48,276	Mathare	77.4	0.4	0.3	21.7	0.2	14,904
Nyandarua County	28.5	0.3	1.6	68.4	1.2	92,263	Nyandarua County	29.2	0.3	1.5	67.8	1.2	48,482
Kinangop	30.7	0.3	2.0	66.8	0.2	30,065	Kinangop	31.9	0.3	1.7	65.9	0.2	14,472
Kipipiri	19.6	0.1	2.0	77.3	0.9	13,901	Kipipiri	20.1	0.2	2.3	76.3	1.2	7,903
Ol Kalou	31.2	0.4	0.8	66.6	1.0	17,659	Ol Kalou	30.9	0.3	0.9	66.6	1.2	9,221
Ol Jorok	32.5	0.4	1.3	64.1	1.7	15,711	Ol Jorok	33.8	0.4	1.0	63.0	1.9	8,433
Ndaragwa	25.1	0.4	1.7	69.7	3.1	14,927	Ndaragwa	26.4	0.2	1.6	69.3	2.5	8,453
Nyeri County	40.9	0.6	1.7	56.5	0.3	128,319	Nyeri County	41.6	0.5	1.5	56.2	0.3	71,157
Tetu	34.2	0.4	3.2	62.0	0.2	13,547	Tetu	32.1	0.4	2.8	64.5	0.3	7,881
Kieni	32.2	0.2	1.9	65.6	0.2	34,360	Kieni	33.2	0.2	1.8	64.6	0.2	16,538
Mathira	42.2	0.5	1.5	55.2	0.6	27,615	Mathira	44.3	0.5	1.5	53.1	0.5	15,822
Othaya	39.2	0.4	1.2	58.9	0.2	14,834	Othaya	40.6	0.4	1.1	57.7	0.2	9,073
Mukunwe-Ini	29.3	0.4	0.8	69.4	0.1	14,255	Mukunwe-Ini	29.6	0.4	0.8	69.1	0.1	9,595
Nyeri Town	63.9	1.3	1.5	32.6	0.6	23,708	Nyeri Town	65.4	1.1	1.1	32.1	0.3	12,248
Kirinyaga County	37.4	0.4	0.5	61.5	0.3	106,905	Kirinyaga County	43.0	0.5	0.5	55.7	0.3	45,741
Mwea	33.7	0.3	0.3	65.3	0.4	39,514	Mwea	39.6	0.3	0.3	59.3	0.5	15,584
Gichugu	36.1	0.3	0.7	62.7	0.2	25,509	Gichugu	41.6	0.3	0.6	57.1	0.3	10,361
Ndia	38.8	0.5	0.4	60.2	0.1	19,339	Ndia	42.7	0.4	0.5	56.2	0.2	9,894
Kirinyaga Central	43.9	0.7	0.6	54.6	0.2	22,543	Kirinyaga Central	50.2	0.8	0.6	48.1	0.2	9,902

Muranga County	39.1	0.6	0.5	59.5	0.3	158,183	Muranga County	38.6	0.4	0.4	60.4	0.2	93,993
Kangema	36.8	0.3	0.7	61.6	0.6	13,208	Kangema	37.0	0.3	0.5	61.8	0.5	8,511
Mathioya	30.7	0.4	0.9	67.9	0.1	14,503	Mathioya	31.4	0.2	0.8	67.5	0.2	9,986
Kiharu	41.7	0.7	0.4	57.0	0.2	31,300	Kiharu	40.7	0.6	0.4	58.1	0.2	19,451
Kigumo	31.7	0.3	0.4	67.4	0.2	20,999	Kigumo	30.9	0.3	0.4	68.3	0.1	11,873
Maragua	38.0	0.5	0.4	61.0	0.1	24,940	Maragua	38.8	0.5	0.3	60.4	0.1	14,698
Kandara	38.1	0.4	0.4	60.9	0.2	25,664	Kandara	37.9	0.3	0.3	61.3	0.1	15,040
Gatanga	49.1	1.2	0.5	48.2	1.1	27,569	Gatanga	48.5	0.6	0.3	50.1	0.5	14,434
Kiambu County	75.5	2.4	0.5	21.6	0.2	327,558	Kiambu County	72.8	2.0	0.4	24.7	0.1	128,752
Gatundu South	49.2	0.8	0.4	49.5	0.1	19,229	Gatundu South	51.2	0.6	0.4	47.7	0.0	10,389
Gatundu North	46.2	1.0	0.3	52.3	0.1	16,215	Gatundu North	48.6	0.7	0.4	50.2	0.1	8,745
Juja	82.7	2.9	0.3	14.0	0.2	27,344	Juja	80.2	2.5	0.2	17.0	0.1	9,461
Thika Town	76.8	2.3	0.3	20.5	0.2	37,185	Thika Town	78.4	2.0	0.2	19.4	0.1	14,236
Ruiru	90.9	3.5	0.3	5.2	0.2	47,939	Ruiru	90.5	3.7	0.2	5.4	0.2	15,762
Githunguri	67.3	1.0	0.5	31.2	0.1	27,089	Githunguri	67.8	0.9	0.3	31.0	0.1	11,756
Kiambu	82.7	4.5	0.5	12.1	0.2	22,644	Kiambu	81.7	3.2	0.5	14.5	0.2	8,543
Kiambaa	85.7	2.7	0.5	11.0	0.1	30,984	Kiambaa	83.8	2.3	0.5	13.3	0.1	10,559
Kabeto	87.9	2.1	0.5	9.4	0.1	29,836	Kabeto	87.4	1.9	0.2	10.4	0.1	10,439
Kikuyu	78.7	3.1	0.6	17.5	0.1	25,511	Kikuyu	76.6	2.8	0.5	20.0	0.1	9,948
Limuru	71.9	1.5	1.0	25.2	0.3	22,778	Limuru	66.9	1.1	0.9	30.8	0.2	9,450
Lari	44.9	1.0	0.8	53.1	0.2	20,804	Lari	45.4	0.8	0.6	53.1	0.2	9,464

Mombasa County	77.2	4.4	0.2	13.7	4.4	206,719	Mombasa County	76.8	5.2	0.2	13.0	4.8	59,278
Changamwe	79.0	1.1	0.1	8.9	10.8	32,464	Changamwe	77.9	1.3	0.1	7.7	13.0	9,397
Jomvu	65.9	1.9	0.2	25.3	6.6	26,909	Jomvu	65.3	1.5	0.3	25.6	7.3	7,922
Kisauni	74.6	3.2	0.2	20.8	1.2	40,298	Kisauni	74.8	4.5	0.2	19.6	0.8	11,884
Nyali	78.7	7.4	0.3	11.9	1.8	42,885	Nyali	78.1	9.3	0.2	10.3	2.1	11,685
Likoni	85.9	0.8	0.2	7.4	5.6	39,708	Likoni	83.4	1.0	0.2	9.6	5.8	9,994
Mvita	75.1	14.0	0.4	9.4	1.2	24,455	Mvita	79.6	13.4	0.2	5.4	1.4	8,396
Kwale County	31.2	0.7	0.2	67.6	0.4	80,118	Kwale County	23.6	0.6	0.2	75.3	0.4	39,254
Msabweni	58.7	1.7	0.2	38.6	0.8	23,816	Msabweni	54.9	2.0	0.2	42.3	0.6	8,305
Lunga Lunga	14.3	0.2	0.1	85.1	0.3	17,328	Lunga Lunga	12.0	0.2	0.1	87.3	0.4	9,352
Matuga	30.9	0.4	0.2	68.2	0.3	19,145	Matuga	25.7	0.3	0.2	73.3	0.4	8,600
Kinango	13.3	0.1	0.2	86.4	0.1	19,829	Kinango	10.6	0.2	0.2	89.0	0.1	12,997
Kilifi County	34.7	1.1	0.3	62.7	1.2	128,348	Kilifi County	27.7	1.1	0.2	69.7	1.2	62,381
Kilifi North	38.3	1.2	0.3	56.5	3.7	24,373	Kilifi North	33.4	1.0	0.3	61.5	3.9	11,245
Kilifi South	43.8	2.1	0.3	52.7	1.0	24,035	Kilifi South	34.0	2.5	0.3	61.8	1.4	11,773
Kaloleni	30.3	0.9	0.2	68.5	0.1	15,784	Kaloleni	21.4	0.9	0.3	77.2	0.2	8,671
Rabai	25.4	0.6	0.2	72.8	1.0	10,848	Rabai	24.2	0.4	0.2	73.6	1.6	5,031
Ganze	7.5	0.1	0.2	92.0	0.2	11,193	Ganze	5.3	0.0	0.2	94.4	0.1	8,645
Malindi	57.0	1.5	0.3	40.7	0.6	23,768	Malindi	52.6	1.5	0.2	45.2	0.5	9,414
Magarini	15.3	0.6	0.3	83.4	0.4	18,347	Magarini	13.7	0.4	0.3	85.3	0.3	7,602
Tana River County	10.5	0.1	0.3	88.6	0.4	31,379	Tana River County	11.2	0.2	0.2	87.9	0.5	13,848

Garsen	7.7	0.2	0.2	91.2	0.6	12,805	Garsen	8.4	0.3	0.1	90.5	0.8	5,167
Galole	12.9	0.1	0.4	86.3	0.4	7,579	Galole	12.7	0.1	-	86.7	0.5	3,745
Bura	12.1	0.1	0.4	87.1	0.2	10,995	Bura	13.0	0.2	0.5	86.0	0.3	4,936
Lamu County	36.1	0.3	0.3	62.4	1.0	15,813	Lamu County	38.9	0.2	0.5	59.7	0.7	5,245
Lamu East	43.4	0.1	0.1	53.0	3.4	2,582	Lamu East	45.2	0.3	0.6	52.0	1.8	940
Lamu West	34.6	0.3	0.3	64.2	0.5	13,231	Lamu West	37.5	0.2	0.5	61.4	0.4	4,305
Taita-Taveta County	43.0	0.7	0.3	54.0	2.0	46,628	Taita-Taveta County	42.3	0.5	0.3	55.9	1.0	23,655
Taveta	34.6	0.5	0.2	63.1	1.7	11,740	Taveta	37.3	0.7	0.2	60.3	1.5	4,375
Wundanyi	40.2	0.9	0.4	57.7	0.8	9,305	Wundanyi	38.6	0.7	0.5	59.7	0.4	5,121
Mwatare	36.7	0.4	0.4	58.4	4.2	11,527	Mwatare	35.9	0.3	0.3	61.7	1.8	6,408
Voi	57.2	1.0	0.2	40.4	1.3	14,056	Voi	52.9	0.5	0.2	46.0	0.4	7,751
Marsabit County	16.9	0.4	0.3	81.6	0.9	33,330	Marsabit County	16.3	0.1	0.3	82.5	0.9	20,269
Moyale	30.1	0.8	0.3	67.6	1.2	10,325	Moyale	34.8	0.2	0.2	63.0	1.8	5,368
North Horr	1.8	0.0	0.2	97.5	0.5	10,553	North Horr	1.4	0.0	0.3	97.7	0.7	4,578
Saku	32.6	0.5	0.4	65.9	0.5	5,750	Saku	26.2	0.3	0.5	72.4	0.6	3,732
Laisamis	6.7	0.1	0.2	91.7	1.3	6,702	Laisamis	5.8	0.0	0.2	93.6	0.4	6,591
Isiolo County	30.6	0.6	0.4	68.1	0.3	19,020	Isiolo County	26.3	0.5	0.4	72.7	0.1	11,857
Isiolo North	41.8	0.8	0.5	56.7	0.3	13,062	Isiolo North	32.3	0.6	0.4	66.6	0.1	9,087
Isiolo South	6.2	0.1	0.3	93.1	0.3	5,958	Isiolo South	6.5	0.2	0.2	92.8	0.3	2,770
Meru County	37.6	0.5	2.2	59.2	0.5	221,998	Meru County	37.1	0.4	1.7	60.3	0.5	89,267
Igembe South	37.4	0.2	1.9	60.2	0.3	22,483	Igembe South	38.5	0.2	1.5	59.5	0.3	7,246

Igembe Central	23.1	0.2	6.0	70.3	0.4	28,816	Igembe Central	20.7	0.2	4.1	74.6	0.4	9,579
Igembe North	24.3	0.2	2.5	72.5	0.5	21,681	Igembe North	22.2	0.1	2.4	75.0	0.3	7,467
Tigania West	19.9	0.2	3.8	75.3	0.9	18,221	Tigania West	19.5	0.2	2.7	76.9	0.8	9,911
Tigania East	20.2	0.2	1.1	78.2	0.2	21,181	Tigania East	18.5	0.1	1.0	80.1	0.3	9,711
North Imenti	63.4	1.6	1.4	33.3	0.3	28,252	North Imenti	63.5	1.4	1.2	33.7	0.2	12,062
Buuri	41.5	0.5	1.0	56.2	0.9	26,604	Buuri	41.5	0.2	1.0	56.3	0.9	12,222
Central Imenti	45.9	0.3	0.9	52.7	0.2	21,125	Central Imenti	45.4	0.3	0.9	53.3	0.2	8,437
South Imenti	49.7	0.6	1.1	48.1	0.5	33,635	South Imenti	50.6	0.4	1.2	47.3	0.6	12,632
Tharaka Nithi County	32.7	0.3	1.0	65.8	0.2	59,079	Tharaka Nithi County	33.0	0.3	0.8	65.7	0.2	27,711
Maara	41.5	0.4	1.4	56.5	0.2	19,764	Maara	44.0	0.5	1.1	54.2	0.3	7,910
Chukai/Gambangombe	38.1	0.3	0.7	60.7	0.2	21,832	Chukai/Gambangombe	37.6	0.3	0.8	61.1	0.3	11,060
Tharaka	16.2	0.2	0.7	82.7	0.1	17,483	Tharaka	17.3	0.2	0.6	81.8	0.1	8,741
Embu County	39.8	0.5	0.5	58.8	0.4	86,215	Embu County	40.0	0.5	0.5	58.4	0.6	41,864
Manyatta	54.3	0.8	0.5	43.8	0.6	28,078	Manyatta	56.1	0.7	0.6	41.8	0.8	12,752
Runyenjes	35.8	0.3	0.6	62.6	0.7	25,528	Runyenjes	36.4	0.3	0.7	61.4	1.2	10,982
Mbeere South	31.7	0.4	0.4	67.4	0.1	19,686	Mbeere South	34.5	0.4	0.4	64.5	0.2	10,243
Mbeere North	28.7	0.5	0.3	70.4	0.1	12,923	Mbeere North	26.1	0.3	0.3	73.3	0.1	7,887
Kitui County	33.4	0.6	0.3	65.5	0.2	110,589	Kitui County	31.2	0.5	0.3	67.9	0.2	91,103
Mwingi North	18.5	0.3	0.6	80.4	0.2	13,719	Mwingi North	16.7	0.3	0.6	82.1	0.2	12,059
Mwingi West	50.1	0.8	0.2	48.8	0.1	13,605	Mwingi West	46.5	0.8	0.2	52.4	0.1	12,782
Mwingi Central	28.4	0.4	0.4	70.5	0.3	13,008	Mwingi Central	24.2	0.3	0.4	74.9	0.2	11,220

Kitui West	48.7	1.1	0.2	49.9	0.1	11,462	Kitui West	48.4	0.9	0.2	50.4	0.1	10,517
Kitui Rural	27.0	0.5	0.2	72.2	0.2	11,693	Kitui Rural	26.0	0.3	0.2	73.5	0.1	9,439
Kitui Central	55.6	1.0	0.3	42.9	0.2	16,430	Kitui Central	48.4	0.8	0.3	50.3	0.1	11,985
Kitui East	22.3	0.3	0.5	76.7	0.3	13,499	Kitui East	20.9	0.3	0.3	78.2	0.2	10,052
Kitui South	17.3	0.4	0.3	81.6	0.3	17,173	Kitui South	17.4	0.3	0.2	81.9	0.2	13,049
Machakos County	59.9	1.9	0.2	37.9	0.1	165,090	Machakos County	55.7	1.2	0.2	42.9	0.1	95,690
Masinga	36.9	0.8	0.2	62.0	0.1	15,335	Masinga	37.5	0.5	0.2	61.7	0.1	11,557
Yatta	46.9	0.4	0.1	52.4	0.2	19,015	Yatta	44.3	0.5	0.1	54.9	0.1	13,640
Kangundo	58.3	0.9	0.1	40.5	0.1	13,473	Kangundo	60.8	0.7	0.1	38.3	0.1	8,368
Matungulu	50.0	0.8	0.2	48.9	0.1	18,319	Matungulu	53.5	0.5	0.1	45.8	0.1	9,864
Kathiani	51.8	0.8	0.2	47.2	0.1	13,362	Kathiani	51.4	1.0	0.1	47.4	0.1	9,801
Mavoko	82.9	5.0	0.3	11.7	0.1	35,172	Mavoko	82.8	4.9	0.2	12.0	0.1	8,984
Machakos Town	69.0	1.9	0.2	28.8	0.1	30,452	Machakos Town	67.1	1.4	0.2	31.1	0.1	17,986
Mwala	51.0	0.7	0.2	47.8	0.2	19,962	Mwala	51.4	0.7	0.2	47.6	0.1	15,490
Makueni County	45.4	0.6	0.2	53.6	0.2	108,060	Makueni County	45.8	0.6	0.2	53.2	0.2	76,434
Mbooni	43.7	0.6	0.3	55.3	0.1	21,097	Mbooni	44.5	0.5	0.3	54.6	0.2	17,139
Kilome	46.1	0.6	0.2	52.6	0.4	11,342	Kilome	48.2	0.8	0.2	50.7	0.2	8,111
Kaiti	48.7	0.9	0.2	50.1	0.1	13,556	Kaiti	49.3	1.0	0.3	49.5	0.1	11,170
Makueni	46.6	0.5	0.1	52.6	0.1	23,388	Makueni	47.2	0.5	0.1	51.9	0.3	15,332
Kibwezi West	45.9	0.7	0.3	53.0	0.2	22,272	Kibwezi West	46.5	0.5	0.1	52.6	0.2	13,756
Kibwezi East	41.7	0.5	0.2	57.4	0.1	16,405	Kibwezi East	39.9	0.5	0.2	59.3	0.1	10,926

Garissa County	224	0.5	0.4	76.0	0.7	53,423	Garissa County	33.4	0.5	0.5	64.5	1.1	15,946
Garsisa Township	692	1.4	0.6	27.0	1.8	13,752	Garsisa Township	75.3	12	0.6	20.8	2.2	6,106
Balambala	2.1	0.1	0.2	97.3	0.3	8,823	Balambala	2.7	-	0.3	96.9	0.2	1,843
Lagdera	1.5	0.1	0.2	97.8	0.4	10,087	Lagdera	2.5	0.2	0.3	96.3	0.8	1,587
Dadaab	7.3	0.0	0.7	91.5	0.5	7,424	Dadaab	9.5	0.1	1.3	88.5	0.7	1,820
Fafī	4.4	0.1	0.1	95.1	0.3	4,326	Fafī	3.8	0.1	0.1	95.5	0.5	1,759
Ijara	15.0	0.5	0.5	83.8	0.2	9,011	Ijara	14.1	0.2	0.5	85.1	0.1	2,831
Wajir County	64	0.1	0.3	92.9	0.3	62,285	Wajir County	11.0	0.1	0.2	88.4	0.4	14,755
Wajir North	4.5	0.1	0.5	94.7	0.2	11,685	Wajir North	6.5	0.0	0.3	92.7	0.3	2,325
Wajir East	21.1	0.2	0.1	78.1	0.5	11,499	Wajir East	26.8	0.2	0.1	72.3	0.6	4,305
Tarbaj	0.2	0.0	0.5	99.0	0.2	8,793	Tarbaj	0.1	-	0.5	99.4	0.1	1,573
Wajir West	3.1	0.0	0.1	96.5	0.2	9,887	Wajir West	2.3	-	0.1	97.2	0.5	1,992
Eldas	1.5	0.0	0.2	97.9	0.4	7,625	Eldas	1.3	0.1	0.1	98.1	0.4	1,562
Wajir South	4.4	0.3	0.2	94.8	0.4	12,796	Wajir South	8.1	0.2	0.1	91.4	0.2	2,998
Mandera County	6.5	0.1	0.5	92.7	0.3	97,817	Mandera County	11.2	0.2	0.6	87.7	0.4	22,260
Mandera West	6.7	0.1	0.4	92.6	0.2	14,614	Mandera West	6.9	0.1	0.2	92.4	0.3	2,808
Banissa	1.9	0.1	0.2	97.6	0.1	15,916	Banissa	2.1	0.1	0.4	97.1	0.3	2,960
Mandera North	3.1	0.1	0.5	96.1	0.2	16,318	Mandera North	4.3	0.2	0.7	94.4	0.3	3,852
Mandera South	7.7	0.1	0.5	91.4	0.2	23,630	Mandera South	8.9	0.1	0.3	90.5	0.2	5,274
Mandera East	22.3	0.4	0.9	75.9	0.5	12,070	Mandera East	33.0	0.4	1.2	64.7	0.7	4,823
Lafey	0.3	0.1	0.4	99.0	0.3	15,269	Lafey	0.4	0.1	0.6	98.7	0.2	2,543

Siaya County	30.2	0.4	0.4	68.6	0.4	106,856	Siaya County	27.2	0.3	0.4	71.8	0.3	88,552
Ugenya	22.8	0.3	0.5	76.0	0.4	12,407	Ugenya	22.6	0.2	0.5	76.4	0.3	13,183
Ugutia	25.8	0.4	0.3	73.2	0.2	11,367	Ugunja	22.8	0.3	0.3	76.5	0.2	10,590
Alego Usonga	32.4	0.5	0.4	66.6	0.1	23,580	Alego Usonga	27.1	0.4	0.4	72.1	0.1	20,877
Gem	20.0	0.4	0.4	78.3	0.9	20,258	Gem	20.5	0.2	0.4	78.1	0.7	16,138
Bondo	43.1	0.6	0.3	55.4	0.6	22,004	Bondo	39.9	0.6	0.3	58.9	0.4	14,352
Rarieda	30.9	0.3	0.3	68.4	0.1	17,240	Rarieda	29.9	0.4	0.3	69.3	0.1	13,412
Kisumu County	46.8	1.7	0.4	50.6	0.5	141,137	Kisumu County	34.2	1.4	0.4	63.4	0.5	80,720
Kisumu East	57.2	1.2	0.2	41.1	0.2	26,645	Kisumu East	44.8	1.4	0.3	53.3	0.2	10,262
Kisumu West	42.6	1.0	0.2	56.1	0.1	17,981	Kisumu West	35.4	0.8	0.2	63.5	0.0	10,493
Kisumu Central	80.5	5.3	0.4	12.8	1.1	31,231	Kisumu Central	80.5	6.1	0.5	11.6	1.3	11,831
Seme	25.3	0.2	0.2	73.7	0.5	11,755	Seme	23.5	0.2	0.4	75.4	0.5	10,893
Nyando	19.5	0.5	0.5	78.9	0.6	16,676	Nyando	15.7	0.4	0.4	83.0	0.6	13,192
Muhoroni	34.9	0.3	0.5	64.0	0.3	22,188	Muhoroni	21.1	0.2	0.5	77.9	0.3	10,722
Nyakach	27.0	0.6	0.9	71.0	0.4	14,661	Nyakach	21.9	0.3	0.8	76.5	0.6	13,327
Homa Bay County	26.6	0.3	0.3	72.5	0.3	114,397	Homa Bay County	21.5	0.3	0.3	77.6	0.3	88,795
Kasipul	35.4	0.4	0.3	63.7	0.1	13,329	Kasipul	27.8	0.3	0.3	71.5	0.1	10,876
Kabondo Kasipul	24.1	0.3	0.3	74.9	0.4	11,786	Kabondo Kasipul	21.6	0.2	0.4	77.6	0.2	10,217
Karachuonyo	25.7	0.4	0.3	73.3	0.3	18,869	Karachuonyo	23.2	0.3	0.3	75.7	0.5	15,064
Rangwe	17.7	0.3	0.3	81.6	0.0	10,899	Rangwe	14.4	0.2	0.3	85.0	0.1	9,762
Homa Bay Town	46.9	0.6	0.3	51.6	0.6	12,661	Homa Bay Town	36.7	0.5	0.2	62.2	0.4	8,648

Ndhiwa	12.7	0.2	0.3	86.4	0.4	19,706	Ndhiwa	11.4	0.2	0.3	87.7	0.4	16,818
Suba North	34.3	0.2	0.3	65.0	0.1	14,463	Suba North	26.2	0.2	0.3	73.2	0.2	9,077
Suba South	20.8	0.1	0.3	78.3	0.4	12,684	Suba South	18.0	0.2	0.4	81.0	0.4	8,333
Migori County	28.5	0.4	0.5	70.3	0.3	102,882	Migori County	24.0	0.3	0.4	75.0	0.2	63,605
Rongo	31.0	0.5	0.3	67.8	0.3	11,204	Rongo	26.5	0.5	0.4	72.2	0.3	8,295
Awendo	39.7	0.6	0.6	59.1	0.1	13,563	Awendo	28.6	0.4	0.4	70.6	0.1	8,256
Suna East	33.1	0.5	0.4	65.5	0.5	11,774	Suna East	30.2	0.5	0.4	68.8	0.1	6,890
Suna West	36.7	0.6	0.2	62.3	0.2	11,093	Suna West	30.1	0.4	0.4	69.0	0.1	7,128
Urii	17.0	0.2	0.3	82.4	0.1	12,534	Urii	17.2	0.1	0.3	82.4	0.1	8,333
Nyatiike	31.0	0.4	0.4	67.9	0.3	15,417	Nyatiike	26.9	0.3	0.4	72.0	0.3	11,916
Kuria West	26.1	0.4	0.6	72.6	0.3	18,711	Kuria West	18.2	0.3	0.5	80.8	0.3	8,643
Kuria East	8.5	0.1	1.1	89.9	0.3	8,586	Kuria East	6.4	0.1	1.2	91.9	0.4	4,144
Kisii County	22.9	0.4	0.5	75.7	0.4	155,419	Kisii County	18.4	0.3	0.5	80.4	0.3	81,069
Bonchari	18.4	0.5	0.2	80.6	0.4	15,315	Bonchari	15.3	0.3	0.2	83.8	0.2	8,070
South Mugirango	12.2	0.2	0.5	86.8	0.2	21,319	South Mugirango	10.7	0.2	0.5	88.5	0.1	10,065
Bomachoge Borabu	20.2	0.2	1.1	78.2	0.2	13,470	Bomachoge Borabu	17.0	0.3	1.2	81.4	0.2	6,796
Bobasi	18.7	0.3	0.6	79.7	0.6	24,854	Bobasi	15.9	0.3	0.5	82.7	0.6	13,662
Bomachoge Chache	19.7	0.3	0.4	78.6	1.0	12,081	Bomachoge Chache	15.7	0.2	0.5	82.8	0.8	6,005
Nyaribari Masaba	23.2	0.3	0.4	75.8	0.3	16,271	Nyaribari Masaba	19.4	0.2	0.4	79.7	0.3	9,183
Nyaribari Chache	36.8	0.6	1.0	61.4	0.2	18,919	Nyaribari Chache	30.7	0.6	0.7	67.7	0.3	8,976
Kitutu Chache North	9.5	0.1	0.4	89.8	0.2	13,427	Kitutu Chache North	6.2	0.1	0.3	93.3	0.1	8,945

Kitutu Chache South	42.6	0.9	0.2	55.8	0.5	19,763	Kitutu Chache South	34.9	0.6	0.3	63.9	0.3	9,367
Nyamira County	23.4	0.4	0.5	75.4	0.4	85,702	Nyamira County	21.2	0.3	0.5	77.5	0.5	42,033
Kitutu Masaba	22.0	0.3	0.4	76.8	0.5	27,112	Kitutu Masaba	18.9	0.3	0.4	80.0	0.4	15,296
West Mugirango	22.6	0.4	0.7	76.2	0.2	22,549	West Mugirango	20.1	0.3	0.7	78.6	0.1	11,348
North Mugirango	14.4	0.2	0.4	84.8	0.2	17,581	North Mugirango	13.9	0.1	0.5	85.2	0.2	7,653
Borabu	34.9	0.6	0.4	63.2	0.9	18,460	Borabu	34.7	0.6	0.3	63.3	1.2	7,736
Turkana County	7.7	0.2	1.0	90.7	0.5	67,081	Turkana County	5.6	0.1	0.9	92.7	0.6	39,473
Turkana North	3.0	0.1	0.5	96.0	0.4	12,103	Turkana North	1.5	0.0	0.5	97.6	0.3	7,196
Turkana West	8.5	0.2	1.5	89.0	0.8	13,666	Turkana West	4.9	0.2	0.9	92.7	1.3	7,687
Turkana Central	18.8	0.3	0.4	79.9	0.7	12,369	Turkana Central	13.2	0.1	0.6	85.5	0.6	9,412
Loima	1.1	0.0	1.8	96.6	0.6	9,246	Loima	0.4	-	1.6	97.1	0.9	7,039
Turkana South	7.3	0.5	0.7	91.3	0.2	11,480	Turkana South	7.1	0.3	0.8	91.7	0.1	5,392
Turkana East	4.1	0.0	1.1	94.5	0.2	8,217	Turkana East	2.5	0.0	1.9	95.5	0.0	2,747
West Pokot County	13.3	0.1	0.6	85.7	0.3	51,791	West Pokot County	12.7	0.2	0.5	86.3	0.2	27,155
Kapenguria	26.0	0.4	0.7	72.7	0.3	17,559	Kapenguria	25.7	0.4	0.6	73.1	0.2	9,101
Sigor	4.7	0.0	0.4	94.7	0.1	10,370	Sigor	4.6	0.1	0.5	94.7	0.2	4,470
Kacheliba	4.3	0.0	0.5	94.5	0.7	9,442	Kacheliba	2.1	0.0	0.4	97.0	0.5	5,896
Pokot South	9.9	0.0	0.5	89.4	0.1	14,420	Pokot South	10.3	0.1	0.5	89.0	0.1	7,688
Samburu County	19.4	0.3	0.3	79.4	0.6	23,787	Samburu County	12.2	0.1	0.4	87.0	0.3	21,576
Samburu West	32.2	0.5	0.2	67.0	0.1	8,837	Samburu West	20.4	0.2	0.4	78.9	0.1	8,118
Samburu North	8.1	0.1	0.3	91.1	0.4	8,848	Samburu North	5.5	0.0	0.2	93.8	0.4	6,976

Samburu East	17.4	0.1	0.5	80.3	1.7	6,102	Samburu East	9.2	0.0	0.5	89.7	0.5	6,482
Trans-Nzoia County	26.1	0.5	0.5	72.3	0.6	117,604	Trans-Nzoia County	25.3	0.6	0.5	73.1	0.6	48,993
Kwanza	21.6	0.4	0.3	77.0	0.7	22,672	Kwanza	21.4	0.5	0.3	77.0	0.9	9,714
Endebess	9.9	0.2	0.6	88.7	0.6	13,017	Endebess	9.0	0.2	0.4	89.3	1.1	4,488
Saboti	40.0	0.5	0.5	58.2	0.8	28,605	Saboti	37.0	0.5	0.6	61.0	0.8	10,218
Kiminini	31.4	1.0	0.6	66.6	0.4	26,895	Kiminini	30.8	1.0	0.4	67.3	0.4	12,446
Cherangany	17.6	0.3	0.5	81.2	0.4	26,415	Cherangany	18.8	0.3	0.6	79.9	0.4	12,127
Baringo County	24.8	0.3	1.8	72.7	0.4	69,621	Baringo County	23.9	0.3	1.5	73.9	0.4	37,512
Tiaty	5.1	0.1	0.7	93.9	0.3	12,501	Tiaty	2.4	0.0	0.7	96.7	0.2	8,651
Baringo North	20.6	0.2	1.4	77.7	0.2	12,125	Baringo North	19.3	0.1	1.4	78.9	0.2	6,810
Baringo Central	45.1	0.8	0.8	52.9	0.3	10,369	Baringo Central	47.7	0.7	0.7	50.5	0.4	5,495
Baringo South	19.1	0.1	1.0	79.6	0.2	10,976	Baringo South	19.7	0.1	0.6	79.5	0.2	5,847
Mogotio	21.1	0.5	0.4	77.4	0.6	7,914	Mogotio	26.1	0.3	0.3	72.5	0.7	3,939
Eldama Ravine	36.3	0.4	4.8	57.9	0.7	15,736	Eldama Ravine	39.1	0.4	4.9	54.6	0.9	6,770
Uasin-Gishu County	45.9	1.7	0.8	51.0	0.6	141,378	Uasin-Gishu County	46.7	1.7	0.8	50.3	0.5	56,691
Soy	27.6	0.5	0.4	71.4	0.1	21,928	Soy	29.9	0.5	0.5	69.0	0.1	10,152
Turbo	54.9	2.0	0.3	42.4	0.4	35,548	Turbo	54.7	1.5	0.3	43.2	0.2	14,244
Moihen	49.3	1.3	0.7	47.9	0.7	24,201	Moihen	53.4	1.4	0.7	43.8	0.7	9,437
Ainabkoi	42.5	3.5	1.2	50.9	1.9	15,607	Ainabkoi	45.4	3.8	1.3	47.6	1.8	6,634
Kapserset	56.2	1.1	0.5	41.9	0.3	25,440	Kapserset	55.1	1.6	0.4	42.3	0.6	8,535
Kesses	34.9	2.4	2.3	60.0	0.5	18,654	Kesses	37.8	2.0	1.9	57.9	0.4	7,689

Egέyo Marakwet County	20.7	0.2	1.0	77.6	0.5	52,320	Egέyo Marakwet County	23.0	0.2	0.8	75.5	0.5	23,429
Marakwet East	10.3	0.1	0.5	88.6	0.4	11,697	Marakwet East	13.1	0.1	0.5	85.8	0.5	5,951
Marakwet West	17.6	0.1	0.6	81.5	0.2	14,655	Marakwet West	21.0	0.1	0.5	78.3	0.1	6,313
Kejyo North	32.2	0.3	0.6	65.7	1.2	10,644	Kejyo North	35.4	0.3	0.5	62.7	1.2	4,582
Kejyo South	23.5	0.3	2.0	73.8	0.5	15,324	Kejyo South	25.2	0.3	1.5	72.6	0.4	6,583
Nandi County	29.4	0.4	0.5	68.8	1.0	108,390	Nandi County	29.9	0.4	0.5	68.5	0.8	42,105
Tinderet	23.9	0.1	0.6	74.4	0.9	14,586	Tinderet	23.1	0.1	0.5	75.6	0.7	4,505
Aldai	19.2	0.2	0.3	79.8	0.5	20,571	Aldai	21.0	0.3	0.4	77.7	0.6	8,213
Nandi Hills	46.0	0.4	0.6	50.4	2.6	18,334	Nandi Hills	44.1	0.4	0.6	53.0	1.9	5,681
Chesumei	34.7	1.0	0.4	63.5	0.4	18,003	Chesumei	36.0	0.8	0.4	62.5	0.3	8,006
Emgwen	32.7	0.5	0.5	65.4	0.8	18,962	Emgwen	33.8	0.4	0.4	64.6	0.8	7,917
Mosop	19.9	0.2	0.4	79.1	0.5	17,934	Mosop	22.8	0.3	0.4	76.0	0.6	7,783
Laikipia County	34.5	0.7	1.0	63.6	0.3	62,287	Laikipia County	30.6	0.5	0.9	67.8	0.2	34,825
Laikipia West	33.5	0.6	1.2	64.6	0.2	30,852	Laikipia West	31.2	0.5	0.9	67.1	0.2	17,108
Laikipia East	44.1	1.2	1.0	53.3	0.3	20,397	Laikipia East	42.9	0.7	1.2	54.9	0.3	10,613
Laikipia North	19.3	0.2	0.5	79.6	0.4	11,038	Laikipia North	10.6	0.2	0.5	88.6	0.1	7,104
Nakuru County	51.8	1.2	0.9	45.7	0.4	275,541	Nakuru County	48.5	1.1	0.8	49.2	0.4	126,104
Molo	36.3	0.6	1.9	61.0	0.2	20,787	Molo	34.7	0.5	1.7	63.0	0.1	9,120
Njoro	25.0	0.5	1.0	73.3	0.2	27,929	Njoro	23.4	0.4	0.8	75.4	0.1	14,393
Naivasha	67.7	1.2	0.3	29.8	0.9	45,578	Naivasha	65.2	0.8	0.3	33.3	0.4	21,699
Gilgil	46.3	1.2	0.8	50.4	1.2	23,830	Gilgil	42.9	0.9	1.0	53.6	1.6	12,469

Kuresoi South	16.7	0.2	1.2	81.7	0.3	15,965	Kuresoi South	19.6	0.2	1.0	79.0	0.2	6,975
Kuresoi North	11.4	0.1	2.1	86.1	0.2	17,798	Kuresoi North	11.4	0.1	1.7	86.5	0.3	8,250
Subukia	30.0	0.3	0.9	68.6	0.3	13,729	Subukia	29.1	0.3	0.8	69.5	0.3	8,031
Rongai	41.8	2.2	0.7	55.0	0.4	20,986	Rongai	40.0	2.0	0.7	56.8	0.5	9,846
Bahati	53.5	1.5	0.7	43.9	0.4	23,855	Bahati	51.1	1.3	0.5	46.8	0.4	11,087
Nakuru Town West	87.9	1.2	0.6	10.2	0.1	34,488	Nakuru Town West	86.6	1.4	0.6	11.2	0.2	10,649
Nakuru Town East	83.7	3.2	0.6	12.4	0.1	30,596	Nakuru Town East	86.1	3.0	0.5	10.3	0.1	13,585
Narok County	15.7	0.3	0.6	82.9	0.5	107,586	Narok County	12.3	0.2	0.6	86.4	0.5	56,237
Kilgoris	15.3	0.2	0.6	83.6	0.3	21,420	Kilgoris	13.6	0.3	0.4	85.5	0.2	10,285
Emurua Dikirr	2.9	0.1	0.3	96.6	0.1	11,447	Emurua Dikirr	3.1	0.0	0.6	96.2	0.1	4,900
Narok North	28.4	0.6	0.8	69.9	0.3	26,091	Narok North	25.2	0.6	0.9	72.9	0.5	11,563
Narok East	15.8	0.2	0.6	83.0	0.5	11,150	Narok East	12.6	0.1	0.6	86.4	0.3	6,155
Narok South	6.9	0.1	0.8	91.7	0.5	21,687	Narok South	5.7	0.1	0.6	93.0	0.5	12,184
Narok West	16.2	0.2	0.5	81.7	1.5	15,791	Narok West	8.7	0.1	0.3	89.9	1.0	11,150
Kajiado County	62.1	3.9	0.3	33.2	0.4	116,882	Kajiado County	46.4	2.9	0.3	50.1	0.3	53,247
Kajiado North	81.0	7.5	0.4	10.5	0.6	43,060	Kajiado North	80.6	8.3	0.3	10.2	0.6	13,618
Kajiado Central	46.2	0.8	0.3	52.5	0.1	12,749	Kajiado Central	26.0	0.7	0.2	73.0	0.2	9,649
Kajiado East	74.9	3.4	0.2	21.2	0.2	26,610	Kajiado East	64.4	2.4	0.2	32.9	0.1	10,079
Kajiado West	40.7	1.7	0.4	56.8	0.4	15,913	Kajiado West	23.4	0.8	0.2	75.3	0.3	9,319
Kajiado South	29.4	0.3	0.4	69.4	0.5	18,550	Kajiado South	24.1	0.3	0.3	74.9	0.4	10,582
Kericho County	34.3	0.4	0.8	64.2	0.3	112,374	Kericho County	34.5	0.3	0.6	64.2	0.3	41,758

Kipkelion East	34.0	0.3	1.5	64.0	0.2	15,338	Kipkelion East	32.5	0.3	1.0	66.0	0.2	7,182
Kipkelion West	10.6	0.1	1.7	87.5	0.2	13,474	Kipkelion West	12.2	0.0	1.2	86.3	0.2	5,390
Ainamoi	54.1	0.8	0.5	44.2	0.3	23,828	Ainamoi	52.8	0.6	0.5	45.9	0.2	8,439
Bureti	24.7	0.2	0.6	74.0	0.4	23,043	Bureti	29.1	0.4	0.5	69.4	0.6	8,517
Belgut	48.8	0.4	0.5	49.9	0.4	21,885	Belgut	49.7	0.3	0.4	49.1	0.5	6,710
Sigowet/Soin	17.7	0.1	0.3	81.6	0.2	14,806	Sigowet/Soin	20.6	0.1	0.3	78.7	0.2	5,520
Bomet County	24.4	0.2	0.6	74.2	0.6	98,022	Bomet County	21.4	0.2	0.5	77.4	0.4	43,197
Sotik	21.5	0.3	0.6	77.4	0.2	21,807	Sotik	19.8	0.3	0.5	79.1	0.2	10,071
Chepalungu	7.0	0.1	0.5	92.3	0.1	19,133	Chepalungu	7.8	0.1	0.6	91.3	0.2	10,961
Bomet East	11.1	0.1	0.5	88.3	0.1	15,693	Bomet East	12.9	0.1	0.5	86.3	0.2	8,204
Bomet Central	25.6	0.2	0.6	73.5	0.2	17,140	Bomet Central	28.6	0.2	0.6	70.5	0.1	6,432
Konoin	48.6	0.3	0.6	48.4	2.1	24,249	Konoin	46.4	0.4	0.4	51.3	1.6	7,529
Kakamega County	18.4	0.3	0.4	80.4	0.4	228,905	Kakamega County	18.4	0.3	0.5	80.5	0.4	120,830
Lugari	15.5	0.3	0.3	83.7	0.1	22,331	Lugari	17.5	0.3	0.3	81.8	0.1	10,920
Likuyani	24.8	0.4	0.3	74.1	0.4	16,819	Likuyani	24.9	0.4	0.3	74.1	0.2	8,871
Malava	11.5	0.1	0.3	87.6	0.5	28,043	Malava	15.8	0.1	0.3	83.5	0.3	12,010
Lurambi	45.7	1.1	0.4	52.2	0.7	25,444	Lurambi	46.4	1.1	0.3	51.6	0.6	10,753
Navakholo	7.3	0.1	0.4	91.8	0.4	17,696	Navakholo	9.1	0.1	0.5	89.7	0.6	9,411
Mumias West	34.7	0.5	0.4	63.9	0.5	17,209	Mumias West	28.8	0.5	0.5	69.8	0.3	8,706
Mumias East	11.7	0.2	1.1	85.8	1.1	13,865	Mumias East	15.3	0.4	1.0	82.3	1.0	7,283
Matungu	12.9	0.2	0.2	86.0	0.8	20,053	Matungu	14.3	0.2	0.4	84.6	0.5	10,433

Butere	11.7	0.2	0.5	87.3	0.2	19,365	Butere	13.6	0.3	0.4	85.6	0.2	11,114
Khwiserø	11.0	0.2	0.4	88.2	0.2	13,476	Khwiserø	10.6	0.1	0.6	88.5	0.2	9,749
Shinyalu	14.4	0.3	0.4	84.5	0.3	21,274	Shinyalu	14.0	0.3	0.5	84.8	0.5	12,281
Ikolomani	10.7	0.3	0.5	88.4	0.1	13,330	Ikolomani	10.3	0.2	0.4	88.9	0.1	9,299
Vihiga County	20.5	0.4	0.4	78.4	0.3	71,763	Vihiga County	18.2	0.3	0.5	80.8	0.3	48,653
Vihiga	24.5	0.6	0.3	74.0	0.5	11,899	Vihiga	21.0	0.5	0.4	77.5	0.6	8,244
Sabatia	21.4	0.4	0.4	77.7	0.2	15,919	Sabatia	18.4	0.3	0.4	80.7	0.2	11,356
Hamisi	20.1	0.4	0.6	78.7	0.2	18,702	Hamisi	19.0	0.3	0.5	79.9	0.2	12,022
Luanda	22.2	0.4	0.5	76.6	0.3	13,708	Luanda	20.1	0.3	0.5	79.0	0.2	8,538
Emuhaya	13.8	0.3	0.3	85.4	0.2	11,535	Emuhaya	12.0	0.2	0.5	87.2	0.1	8,493
Bungoma County	19.4	0.4	0.3	79.7	0.2	180,444	Bungoma County	20.9	0.4	0.3	78.2	0.2	80,184
Mt Elgon	11.9	0.1	0.4	87.2	0.4	22,350	Mt Elgon	14.5	0.2	0.4	84.5	0.4	9,237
Sirisia	17.0	0.2	0.2	82.4	0.1	13,800	Sirisia	20.4	0.1	0.1	79.3	0.0	6,019
Kabuchai	14.4	0.1	0.3	84.8	0.3	18,969	Kabuchai	17.2	0.1	0.3	82.0	0.3	8,291
Bumula	9.4	0.4	0.2	89.8	0.2	23,542	Bumula	12.1	0.5	0.2	87.1	0.2	10,738
Kanduyi	35.6	0.8	0.3	63.0	0.3	32,521	Kanduyi	37.9	0.7	0.2	61.0	0.2	13,538
Webuye East	24.1	0.2	0.2	75.4	0.1	13,141	Webuye East	23.2	0.3	0.3	76.0	0.2	5,876
Webuye West	21.0	0.6	0.2	77.8	0.3	16,933	Webuye West	22.4	0.6	0.3	76.4	0.3	7,191
Kimili	18.9	0.3	0.3	80.2	0.3	16,701	Kimili	19.4	0.3	0.3	79.8	0.3	7,753
Tongaren	15.7	0.2	0.5	83.4	0.2	22,487	Tongaren	16.0	0.2	0.4	83.2	0.1	11,541

Busia County	23.2	0.4	0.4	75.8	0.2	91,813	Busia County	23.7	0.3	0.3	75.5	0.2	56,097
Teso North	27.6	0.4	0.2	71.6	0.2	15,666	Teso North	34.5	0.6	0.2	64.6	0.1	7,251
Teso South	19.3	0.3	0.3	79.8	0.3	16,101	Teso South	21.0	0.4	0.2	78.2	0.2	8,350
Nambale	18.2	0.3	0.6	80.8	0.1	12,012	Nambale	20.3	0.2	0.5	78.9	0.1	6,660
Matayos	35.3	0.9	0.6	63.1	0.2	14,853	Matayos	31.7	0.5	0.5	67.2	0.1	8,425
Butula	14.6	0.2	0.3	84.8	0.2	13,820	Butula	15.3	0.2	0.3	84.1	0.1	11,328
Funyula	18.8	0.4	0.2	80.2	0.4	10,621	Funyula	20.4	0.3	0.1	78.8	0.4	7,790
Budalangi	28.0	0.1	0.3	71.4	0.1	8,740	Budalangi	27.0	0.3	0.4	72.3	0.1	6,293

Annex Table 20: Main material of the wall of the main dwelling unit by county and constituency

County/constituency	Stone	Brick/ block	Mud/ wood	Mud/ cement	Wood only	Corrugated iron sheets	Grass/ reeds	Tin	Other	Households
Kenya	16.7	16.9	36.5	7.7	11.1	6.7	3.0	0.3	1.2	8,493,380
Rural	5.7	13.8	50.0	7.6	14.4	2.5	4.4	0.3	1.4	5,239,879
Urban	34.5	21.9	14.8	7.8	5.8	13.3	0.8	0.3	0.9	3,253,501
Nairobi County	47.3	13.9	3.8	5.3	1.9	26.9	0.0	0.6	0.3	968,477
Westlands	38.7	10.2	1.9	0.8	7.8	40.0	0.0	0.2	0.4	55,568
Dagoreti North	40.3	12.8	0.8	1.1	2.1	42.1	0.0	0.6	0.2	56,709
Dagoreti South	27.7	7.0	1.3	0.5	6.0	57.0	0.0	0.3	0.1	55,562
Langata	41.0	13.6	7.6	5.7	2.3	29.0	0.1	0.5	0.2	52,656
Kibra	12.5	5.9	23.6	47.8	1.7	7.8	0.0	0.3	0.2	63,093
Roysambu	74.6	9.0	0.9	1.0	1.6	12.2	0.0	0.5	0.1	57,677
Kasarani	73.5	8.6	1.7	1.6	1.3	12.2	0.0	0.3	0.7	49,825
Ruaraka	48.1	21.8	6.2	7.9	1.3	13.1	0.1	1.5	0.1	60,347
Embakasi South	24.5	14.2	0.2	0.6	0.7	58.9	0.1	0.8	0.0	74,703
Embakasi North	68.6	17.6	1.5	4.0	0.9	6.7	0.0	0.4	0.2	60,186
Embakasi Central	72.3	17.5	0.3	0.9	0.3	8.2	0.0	0.2	0.2	57,762
Embakasi East	50.3	18.6	0.6	1.1	1.4	26.0	0.1	1.6	0.4	48,931
Embakasi West	71.7	16.7	0.4	0.9	0.6	9.1	0.0	0.2	0.4	44,912
Makadara	45.6	13.2	0.4	1.1	0.9	38.2	0.0	0.3	0.2	58,834
Kamukunji	45.8	16.0	8.5	5.5	1.0	22.3	0.0	0.4	0.6	58,896
Starehe	44.4	14.2	0.7	1.5	1.0	37.2	0.1	0.7	0.3	49,636
Mathare	41.9	18.9	4.5	3.4	1.5	28.5	0.0	1.0	0.2	63,180
Nyandarua County	13.4	2.6	33.3	3.0	43.0	3.0	0.0	0.1	1.4	140,745
Kinangop	15.3	3.9	33.4	3.5	40.1	3.6	0.0	0.1	0.1	44,537
Kipipiri	9.1	2.1	50.2	5.0	28.3	3.1	0.1	0.1	2.1	21,804
Ol Kalou	18.4	2.8	43.2	2.9	28.0	2.9	0.0	0.1	1.6	26,880
Ol Jorok	13.6	1.7	18.1	1.6	60.9	2.3	0.0	0.1	1.7	24,144
Ndaragwa	8.2	1.5	22.0	1.7	60.9	2.8	0.1	0.0	2.8	23,380
Nyeri County	21.4	4.7	10.2	1.3	60.3	1.5	0.1	0.2	0.3	199,476
Tetu	12.6	1.2	5.7	0.7	78.9	0.6	0.0	0.1	0.3	21,428
Kieni	10.2	1.7	7.9	0.8	77.0	1.8	0.4	0.1	0.1	50,898
Mathira	25.2	3.5	11.3	1.4	57.2	0.8	0.0	0.1	0.5	43,437
Othaya	20.7	1.2	8.7	1.2	66.2	1.4	0.0	0.6	0.2	23,907
Mukurwe-Ini	15.6	23.1	25.5	3.6	28.1	3.2	0.0	0.6	0.3	23,850
Nyeri Town	42.3	2.8	5.5	0.7	46.5	1.4	0.1	0.1	0.5	35,956
Kirinyaga County	24.3	16.8	18.5	3.0	34.5	1.7	0.5	0.1	0.6	152,646
Mwea	28.6	28.3	24.5	5.0	8.0	2.8	1.3	0.1	1.3	55,098
Gichugu	17.1	7.2	17.7	1.8	55.4	0.5	0.0	0.2	0.1	35,870
Ndia	26.1	21.7	15.1	2.3	32.4	1.9	0.0	0.1	0.3	29,233
Kirinyaga Central	23.1	3.3	12.2	1.6	58.4	0.9	0.0	0.1	0.3	32,445
Muranga County	28.8	13.3	23.6	2.8	14.7	14.2	0.1	2.0	0.6	252,176
Kangema	19.6	2.6	14.4	2.5	26.4	29.1	0.1	3.8	1.5	21,719
Mathioya	17.5	2.7	14.5	2.6	22.2	32.6	0.1	7.2	0.6	24,489
Kiharu	32.0	15.9	25.1	3.5	10.6	11.4	0.0	1.2	0.4	50,751
Kigumo	20.4	7.1	28.9	2.3	22.7	14.8	0.1	3.1	0.5	32,872
Maragua	30.6	25.6	25.0	3.0	4.8	10.3	0.1	0.4	0.2	39,638

Kandara	32.1	8.6	34.0	2.7	8.2	12.6	0.1	1.3	0.5	40,704
Gatanga	38.2	19.9	16.0	2.4	18.4	3.7	0.1	0.4	0.9	42,003
Kiambu County	48.5	4.8	4.8	1.3	14.5	25.3	0.0	0.6	0.2	456,310
Gatundu South	34.7	3.8	13.4	3.0	15.4	27.4	0.1	2.2	0.1	29,618
Gatundu North	29.5	15.7	9.3	2.8	23.5	17.2	0.0	1.5	0.4	24,960
Juja	81.0	5.0	1.9	1.5	2.0	8.1	0.0	0.3	0.1	36,805
Thika Town	73.2	7.4	7.1	2.1	5.7	4.0	0.0	0.3	0.1	51,421
Ruiru	78.4	8.1	1.0	1.3	1.7	8.9	0.0	0.3	0.2	63,701
Githunguri	31.6	2.1	3.9	0.4	26.2	34.7	0.0	1.0	0.1	38,845
Kiambu	49.2	2.9	2.1	0.4	9.0	35.4	0.0	0.9	0.2	31,187
Kiambaa	39.0	2.3	2.0	0.4	14.1	41.4	0.0	0.6	0.1	41,543
Kabete	30.6	2.1	1.7	0.2	10.5	54.5	0.0	0.2	0.1	40,275
Kikuyu	36.3	2.4	5.0	1.1	8.8	46.0	0.0	0.4	0.1	35,459
Limuru	36.1	3.1	9.4	2.2	25.6	22.8	0.0	0.5	0.3	32,228
Lari	18.2	2.3	7.3	1.3	54.2	15.8	0.0	0.6	0.2	30,268
Mombasa County	30.4	40.6	10.4	13.1	0.2	0.6	0.1	0.1	4.4	265,997
Changamwe	23.6	35.6	10.6	18.1	0.1	0.4	0.1	0.1	11.3	41,861
Jomvu	17.3	31.4	25.6	18.3	0.1	0.4	0.1	0.1	6.7	34,831
Kisauni	27.0	46.3	12.8	11.2	0.3	0.8	0.3	0.2	1.2	52,182
Nyali	29.3	46.1	7.7	14.3	0.3	0.6	0.1	0.1	1.5	54,570
Likoni	50.5	34.7	1.9	6.8	0.0	0.2	0.2	0.0	5.7	49,702
Mvita	29.7	47.8	7.2	11.9	0.5	1.8	0.1	0.2	0.9	32,851
Kwale County	15.2	14.4	56.9	9.7	0.4	0.3	2.2	0.1	0.8	119,372
Msabweni	34.3	26.8	27.8	7.3	0.2	0.5	1.8	0.1	1.2	32,121
Lunga Lunga	5.2	8.9	73.8	8.1	0.9	0.1	2.5	0.0	0.5	26,680
Matuga	14.8	15.6	56.5	9.9	0.3	0.4	1.9	0.1	0.6	27,745
Kinango	5.2	5.6	71.8	13.2	0.4	0.2	2.7	0.1	0.9	32,826
Kilifi County	10.4	22.8	53.6	8.1	2.2	0.3	1.3	0.1	1.3	190,729
Kilifi North	13.1	27.3	45.4	6.2	3.2	0.4	0.9	0.0	3.6	35,618
Kilifi South	12.7	33.2	43.1	8.1	0.2	0.5	0.8	0.1	1.3	35,808
Kaloleni	10.8	13.3	62.0	12.1	0.8	0.3	0.3	0.1	0.4	24,455
Rabai	12.7	13.7	60.7	7.9	3.1	0.2	0.3	0.1	1.3	15,879
Ganze	1.6	4.1	82.6	8.6	0.8	0.1	1.9	0.0	0.3	19,838
Malindi	14.3	39.0	34.9	8.3	1.9	0.4	0.7	0.0	0.5	33,182
Magarini	3.8	10.1	68.8	6.2	5.7	0.2	4.8	0.1	0.4	25,949
Tana River County	1.9	5.5	41.2	8.2	12.1	0.5	29.6	0.1	0.9	45,227
Garsen	1.8	4.2	52.8	9.6	1.6	0.3	28.3	0.2	1.3	17,972
Galole	3.9	4.9	49.1	9.4	3.3	0.4	28.2	0.0	0.8	11,324
Bura	0.6	7.5	22.6	5.9	30.2	0.7	32.0	0.1	0.5	15,931
Lamu County	10.9	18.7	46.6	14.0	0.7	0.4	6.3	0.1	2.2	21,058
Lamu East	21.5	11.1	35.7	24.1	0.1	0.1	3.0	0.4	4.0	3,522
Lamu West	8.8	20.2	48.8	12.0	0.8	0.5	7.0	0.0	1.8	17,536
Taita-Taveta County	4.4	42.9	39.3	8.7	1.3	0.9	0.5	0.1	2.0	70,283
Taveta	10.0	26.8	50.1	8.9	0.5	0.9	1.0	0.1	1.6	16,115
Wundanyi	2.8	58.2	29.9	5.8	0.8	1.4	0.1	0.3	0.8	14,426
Mwatate	1.2	48.0	34.4	10.7	0.4	0.9	0.2	0.1	4.2	17,935
Voi	3.8	40.6	41.6	8.8	2.8	0.5	0.6	0.1	1.3	21,807
Marsabit County	1.5	5.0	30.6	11.0	7.5	1.1	11.3	3.4	28.6	53,599

Moyale	1.0	10.1	46.9	18.1	2.1	0.2	18.6	0.0	3.0	15,693
North Horr	1.7	0.7	9.1	2.2	3.4	0.9	7.6	2.8	71.6	15,131
Saku	3.0	7.0	60.0	23.4	2.0	2.2	1.3	0.3	0.9	9,482
Laisamis	1.0	2.6	14.9	3.8	22.3	1.5	14.1	10.1	29.7	13,293
Isiolo County	10.3	6.7	31.1	3.7	22.3	1.2	17.7	4.9	2.1	30,877
Isiolo North	14.2	8.3	28.1	2.1	29.6	1.5	6.8	6.8	2.7	22,149
Isiolo South	0.5	2.6	38.8	7.7	3.8	0.6	45.2	0.1	0.7	8,728
Meru County	12.1	3.6	18.1	1.6	62.6	0.4	0.7	0.1	0.7	311,265
Igembe South	10.0	3.8	16.4	1.3	66.0	0.4	1.9	0.1	0.2	29,729
Igembe Central	4.2	3.5	24.1	2.0	64.5	0.4	1.1	0.1	0.1	38,395
Igembe North	6.2	3.6	31.7	2.3	54.2	0.4	1.3	0.1	0.3	29,148
Tigania West	6.1	4.4	26.4	2.5	57.9	0.4	0.5	0.1	1.7	28,132
Tigania East	4.9	6.8	32.6	2.4	50.2	0.2	0.8	0.1	2.0	30,892
North Imenti	27.5	4.2	5.7	0.8	61.0	0.5	0.1	0.0	0.3	40,314
Buuri	9.9	3.0	9.7	1.1	74.2	0.8	0.5	0.1	0.8	38,826
Central Imenti	13.3	2.3	13.0	0.7	68.9	0.3	0.3	0.1	1.2	29,562
South Imenti	20.0	2.1	12.2	1.6	63.1	0.3	0.2	0.0	0.5	46,267
Tharaka Nithi County	13.3	5.5	42.1	4.0	33.8	0.3	0.3	0.0	0.8	86,790
Maara	16.1	1.9	20.1	1.9	57.5	0.4	0.1	0.0	1.9	27,674
Chuka/Igambangombe	17.5	3.4	35.9	3.2	39.3	0.3	0.2	0.0	0.2	32,892
Tharaka	5.0	11.9	72.9	7.1	2.1	0.2	0.4	0.0	0.3	26,224
Embu County	16.2	21.5	28.8	3.0	25.3	1.9	0.4	0.1	2.9	128,079
Manyatta	28.6	7.1	12.6	1.8	43.6	3.9	0.0	0.1	2.3	40,830
Runyenjes	10.0	16.3	25.6	1.6	37.9	0.9	0.1	0.1	7.5	36,510
Mbeere South	12.2	39.7	38.2	5.8	1.6	1.3	1.2	0.1	0.1	29,929
Mbeere North	8.5	32.8	52.8	3.8	1.1	0.7	0.3	0.0	0.1	20,810
Kitui County	2.4	63.9	25.6	6.3	1.0	0.2	0.4	0.0	0.2	201,692
Mwingi North	0.3	51.4	39.1	4.3	4.0	0.2	0.5	0.0	0.1	25,778
Mwingi West	6.0	85.1	3.9	4.4	0.3	0.1	0.2	0.0	0.1	26,387
Mwingi Central	4.5	41.2	47.4	5.0	0.9	0.3	0.3	0.0	0.3	24,228
Kitui West	2.7	83.9	6.0	7.1	0.1	0.1	0.1	0.0	0.0	21,979
Kitui Rural	2.1	67.6	19.0	10.3	0.3	0.2	0.3	0.0	0.1	21,132
Kitui Central	2.8	79.7	7.4	9.3	0.2	0.3	0.2	0.1	0.1	28,415
Kitui East	0.3	48.6	44.2	4.8	1.0	0.1	0.7	0.0	0.3	23,551
Kitui South	0.6	54.2	36.9	5.8	0.8	0.1	1.1	0.0	0.5	30,222
Machakos County	24.7	61.5	4.2	1.8	0.5	7.0	0.1	0.1	0.2	260,780
Masinga	7.2	81.0	8.1	2.7	0.2	0.5	0.2	0.0	0.1	26,892
Yatta	28.5	59.3	7.9	2.6	0.2	1.2	0.1	0.0	0.1	32,655
Kangundo	24.3	73.6	0.4	1.4	0.1	0.1	0.1	0.0	0.0	21,841
Matungulu	45.4	48.7	2.5	0.8	0.3	2.0	0.1	0.0	0.2	28,183
Kathiani	10.4	85.0	2.4	2.0	0.0	0.1	0.1	0.0	0.0	23,163
Mavoko	39.0	17.1	2.7	1.0	1.8	37.1	0.1	0.6	0.6	44,156
Machakos Town	27.8	63.8	4.5	2.1	0.3	1.4	0.1	0.0	0.1	48,438
Mwala	5.6	88.2	3.9	1.8	0.1	0.1	0.1	0.0	0.2	35,452
Makueni County	2.6	72.6	19.8	3.8	0.4	0.5	0.2	0.0	0.1	184,494
Mbooni	2.7	82.5	11.4	2.7	0.1	0.1	0.1	0.0	0.2	38,236
Kilome	6.5	64.1	22.6	3.6	0.4	2.5	0.1	0.1	0.2	19,453
Kaiti	2.8	77.8	15.4	3.6	0.1	0.1	0.1	0.0	0.1	24,726

Makueni	1.1	71.8	21.9	4.7	0.1	0.1	0.2	0.0	0.2	38,720
Kibwezi West	1.6	70.4	22.9	3.5	0.3	0.7	0.5	0.0	0.1	36,028
Kibwezi East	2.5	63.8	26.7	5.0	1.4	0.3	0.3	0.0	0.0	27,331
Garissa County	6.1	16.4	8.6	6.2	7.2	1.0	53.5	0.1	0.9	69,369
Garissa Township	17.4	51.7	12.5	7.2	1.0	0.7	7.4	0.2	1.7	19,858
Balambala	0.7	1.0	9.4	3.8	26.1	0.2	58.6	0.1	0.1	10,666
Lagdera	0.5	0.6	5.3	3.6	1.9	0.1	87.6	0.1	0.2	11,674
Dadaab	0.8	1.1	7.0	7.4	5.2	3.6	73.7	0.1	1.0	9,244
Fafi	1.1	1.2	5.0	6.9	7.2	0.5	77.7	0.1	0.3	6,085
Ijara	4.1	6.4	7.5	7.9	7.2	1.2	64.3	0.2	1.2	11,842
Wajir County	4.3	2.7	5.1	2.3	8.3	0.2	76.8	0.1	0.4	77,040
Wajir North	0.5	0.8	10.5	6.2	7.6	0.1	73.8	0.0	0.5	14,010
Wajir East	18.8	4.8	0.1	0.4	5.1	0.4	70.2	0.0	0.2	15,804
Tarbj	0.2	0.1	0.6	0.3	17.7	0.1	80.9	0.0	0.1	10,366
Wajir West	0.4	2.9	1.3	1.7	0.6	0.1	92.4	0.1	0.4	11,879
Eldas	0.9	0.6	8.6	0.9	7.1	0.3	81.1	0.0	0.5	9,187
Wajir South	0.8	4.8	9.0	3.3	12.2	0.2	69.0	0.1	0.5	15,794
Mandera County	2.9	4.5	6.0	1.9	18.3	0.2	63.6	0.1	2.4	120,077
Mandera West	0.3	4.6	10.4	3.1	20.4	0.5	60.5	0.1	0.1	17,422
Banissa	0.3	0.9	7.5	1.9	10.9	0.2	78.0	0.1	0.1	18,876
Mandera North	1.2	2.2	9.4	2.9	23.8	0.4	57.6	0.1	2.4	20,170
Mandera South	7.5	1.1	3.1	0.9	10.5	0.1	76.7	0.0	0.1	28,904
Mandera East	5.1	21.2	5.8	2.5	14.5	0.2	49.0	0.1	1.5	16,893
Lafey	0.2	0.6	1.4	0.8	34.2	0.2	50.6	0.3	11.8	17,812
Siaya County	1.7	13.4	63.7	19.3	0.2	0.4	0.1	0.1	1.1	195,408
Ugenya	2.0	11.9	68.5	16.1	0.2	0.2	0.1	0.0	1.0	25,590
Ugunja	1.8	12.5	73.8	11.3	0.2	0.1	0.2	0.0	0.1	21,957
Alego Usonga	1.6	16.7	65.2	15.8	0.3	0.4	0.1	0.0	0.0	44,457
Gem	0.9	11.1	69.4	13.9	0.1	0.3	0.1	0.0	4.1	36,396
Bondo	2.3	14.8	51.0	30.0	0.1	0.8	0.2	0.1	0.7	36,356
Rarieda	1.5	11.4	58.9	26.6	0.1	0.5	0.2	0.1	0.7	30,652
Kisumu County	3.3	21.0	49.6	21.2	0.2	3.1	0.1	0.2	1.4	221,857
Kisumu East	2.6	21.0	43.5	31.2	0.2	1.3	0.0	0.1	0.2	36,907
Kisumu West	3.2	16.7	54.7	23.8	0.1	1.2	0.0	0.1	0.1	28,474
Kisumu Central	9.7	46.5	11.6	26.4	0.2	4.2	0.0	0.2	1.3	43,062
Seme	0.9	8.6	67.7	22.3	0.1	0.2	0.1	0.0	0.0	22,648
Nyando	0.8	12.1	68.5	9.4	0.2	1.2	0.1	0.1	7.5	29,868
Muhoroni	1.7	14.6	56.6	14.5	0.6	11.2	0.2	0.5	0.2	32,910
Nyakach	0.8	13.1	67.8	17.4	0.1	0.3	0.0	0.1	0.4	27,988
Homa Bay County	2.6	8.6	65.6	16.4	0.3	5.6	0.2	0.1	0.7	203,192
Kasipul	1.9	17.0	63.4	16.3	0.6	0.7	0.0	0.0	0.0	24,205
Kabondo Kasipul	1.1	12.3	71.7	14.6	0.1	0.2	0.0	0.0	0.1	22,003
Karachuonyo	3.8	5.4	69.6	19.5	0.5	0.8	0.0	0.0	0.4	33,933
Rangwe	0.9	5.7	73.2	19.6	0.2	0.3	0.1	0.0	0.0	20,661
Homa Bay Town	4.7	10.6	45.5	14.6	0.2	21.5	0.1	0.6	2.1	21,309
Ndhiwa	0.6	5.7	74.7	15.1	0.2	1.3	0.6	0.1	1.7	36,524
Suba North	3.4	9.6	54.8	14.0	0.1	16.8	0.1	0.3	1.0	23,540
Suba South	4.9	4.5	64.3	17.0	0.3	8.5	0.2	0.1	0.1	21,017

Migori County	1.0	17.0	64.8	15.1	0.3	1.5	0.1	0.0	0.3	166,487
Rongo	1.0	15.9	61.8	20.2	0.1	0.7	0.1	0.0	0.2	19,499
Awendo	0.9	21.4	54.6	18.6	0.3	4.2	0.1	0.0	0.0	21,819
Suna East	1.7	22.6	58.6	16.0	0.2	0.5	0.3	0.1	0.1	18,664
Suna West	0.9	20.8	55.8	21.5	0.2	0.3	0.1	0.0	0.3	18,221
Uriri	1.0	9.3	75.5	13.8	0.1	0.2	0.1	0.0	0.0	20,867
Nyatike	1.3	18.2	60.9	13.7	0.9	4.3	0.1	0.1	0.4	27,333
Kuria West	0.6	18.3	70.8	9.2	0.1	0.3	0.1	0.0	0.6	27,354
Kuria East	0.3	4.5	86.3	8.2	0.1	0.0	0.1	0.0	0.2	12,730
Kisii County	0.9	18.9	70.6	7.8	0.3	0.7	0.1	0.0	0.6	236,488
Bonchari	0.4	10.6	78.6	9.1	0.1	0.3	0.0	0.0	0.6	23,385
South Mugirango	0.4	10.5	79.8	8.6	0.2	0.1	0.1	0.0	0.2	31,384
Bomachoge Borabu	0.6	19.1	70.8	8.3	0.3	0.2	0.1	0.0	0.5	20,266
Bobasi	0.9	18.7	72.9	5.4	0.3	0.4	0.1	0.0	1.2	38,516
Bomachoge Chache	0.3	18.2	71.9	6.1	0.3	0.4	0.1	0.1	2.5	18,086
Nyaribari Masaba	1.2	21.9	65.8	10.3	0.2	0.5	0.1	0.0	0.0	25,454
Nyaribari Chache	1.7	30.2	57.2	8.3	0.3	1.8	0.1	0.1	0.2	27,895
Kitutu Chache North	0.7	6.2	86.0	6.6	0.2	0.2	0.1	0.0	0.0	22,372
Kitutu Chache South	1.9	31.8	55.4	8.0	0.6	2.0	0.0	0.0	0.3	29,130
Nyamira County	0.8	20.1	71.0	6.9	0.6	0.3	0.2	0.0	0.3	127,735
Kitutu Masaba	0.6	18.7	72.0	7.5	0.3	0.4	0.3	0.0	0.1	42,408
West Mugirango	1.2	18.9	71.3	7.7	0.5	0.2	0.0	0.0	0.1	33,897
North Mugirango	0.5	10.9	81.5	6.3	0.3	0.2	0.2	0.0	0.1	25,234
Borabu	0.7	32.5	58.7	5.3	1.3	0.4	0.0	0.1	0.9	26,196
Turkana County	0.6	3.5	23.6	3.7	31.0	0.6	27.8	0.9	8.3	106,554
Turkana North	0.4	1.2	5.3	1.9	31.0	0.8	42.0	4.2	13.1	19,299
Turkana West	0.7	2.9	14.3	3.3	32.1	1.0	38.9	0.3	6.6	21,353
Turkana Central	1.4	10.0	23.5	6.2	13.5	1.0	33.7	0.1	10.7	21,781
Loima	0.0	0.4	15.5	1.5	55.9	0.2	13.8	0.1	12.7	16,285
Turkana South	0.4	2.9	46.9	5.1	27.1	0.2	15.0	0.2	2.2	16,872
Turkana East	0.4	1.7	50.1	3.6	32.6	0.3	10.0	0.1	1.1	10,964
West Pokot County	0.4	5.5	78.9	11.1	2.9	0.3	0.5	0.0	0.3	78,946
Kapenguria	0.4	12.8	71.1	13.3	1.5	0.4	0.2	0.1	0.3	26,660
Sigor	0.7	1.2	77.4	9.1	9.6	0.2	1.5	0.1	0.3	14,840
Kacheliba	0.2	1.1	88.5	6.1	2.5	0.1	0.8	0.1	0.7	15,338
Pokot South	0.5	2.7	82.6	13.3	0.5	0.2	0.2	0.0	0.0	22,108
Samburu County	3.4	2.7	59.5	12.7	7.5	0.6	5.2	2.6	5.9	45,363
Samburu West	2.7	2.9	69.3	20.5	1.9	0.3	0.3	0.1	2.0	16,955
Samburu North	2.9	1.3	55.2	7.5	11.7	0.5	9.7	1.8	9.5	15,824
Samburu East	5.0	4.3	51.7	8.8	9.9	1.0	6.0	6.9	6.5	12,584
Trans-Nzoia County	1.4	15.8	67.9	12.8	0.7	0.4	0.1	0.0	0.8	166,597
Kwanza	1.4	12.4	73.5	10.8	0.4	0.4	0.0	0.0	1.0	32,386
Endebess	1.3	5.2	75.9	13.5	1.7	1.0	0.3	0.1	1.1	17,505
Saboti	2.6	22.1	55.5	16.6	0.9	0.5	0.1	0.0	1.7	38,823
Kiminini	1.3	21.4	63.6	12.3	0.5	0.5	0.0	0.0	0.3	39,341
Cherangany	0.4	11.4	76.3	11.1	0.3	0.1	0.1	0.1	0.3	38,542
Baringo County	5.1	3.5	50.6	6.2	25.8	6.5	1.6	0.1	0.8	107,133
Tiaty	1.6	1.1	60.4	3.2	25.3	0.7	6.7	0.1	0.9	21,152

Baringo North	2.1	2.8	56.7	8.8	25.9	2.9	0.5	0.0	0.2	18,935
Baringo Central	5.5	9.6	39.0	7.4	34.3	3.8	0.2	0.1	0.3	15,864
Baringo South	1.6	2.6	48.0	6.1	15.8	24.8	0.4	0.2	0.3	16,823
Mogotio	7.3	2.9	70.5	6.6	4.4	7.6	0.1	0.0	0.7	11,853
Eldama Ravine	11.9	3.2	35.8	5.7	38.8	2.4	0.2	0.1	1.8	22,506
Uasin-Gishu County	5.7	25.2	45.6	12.4	6.8	2.6	0.1	0.1	1.5	198,069
Soy	1.1	16.7	67.4	13.5	0.6	0.4	0.1	0.0	0.3	32,080
Turbo	7.8	32.3	41.1	14.7	1.7	1.6	0.2	0.2	0.5	49,792
Moiben	5.8	28.7	39.7	13.8	6.9	3.8	0.0	0.1	1.1	33,638
Ainabkoi	7.2	21.9	38.5	6.1	18.1	3.6	0.2	0.1	4.2	22,241
Kapseret	6.1	28.8	44.0	14.3	2.7	2.8	0.1	0.1	1.1	33,975
Kesses	5.7	16.1	43.0	7.5	19.5	4.4	0.1	0.2	3.6	26,343
Elgeyo Marakwet County	9.4	6.4	54.1	6.7	20.5	2.0	0.3	0.1	0.6	75,749
Marakwet East	27.9	1.5	54.5	9.6	4.1	0.2	0.5	0.1	1.7	17,648
Marakwet West	7.3	7.5	67.2	9.6	7.9	0.2	0.1	0.1	0.1	20,968
Keiyo North	2.2	14.1	49.2	4.0	25.8	4.2	0.3	0.1	0.1	15,226
Keiyo South	1.5	3.9	44.7	3.5	42.2	3.7	0.2	0.0	0.4	21,907
Nandi County	1.3	15.0	63.5	14.5	3.6	0.9	0.1	0.0	1.2	150,495
Tinderet	1.8	12.6	62.9	11.4	8.3	1.5	0.1	0.0	1.4	19,091
Aldai	0.3	8.2	74.9	14.9	0.6	0.5	0.0	0.0	0.5	28,784
Nandi Hills	2.6	28.0	41.5	11.3	10.7	2.3	0.0	0.0	3.4	24,015
Chesumei	1.7	18.0	62.5	15.3	1.3	0.5	0.1	0.0	0.5	26,009
Emgwen	1.1	17.1	60.9	16.5	2.4	0.9	0.0	0.0	1.1	26,879
Mosop	0.4	6.7	75.5	16.2	0.3	0.1	0.0	0.0	0.6	25,717
Laikipia County	14.9	2.9	29.9	3.2	44.9	2.8	0.4	0.1	1.0	97,112
Laikipia West	14.6	2.8	30.9	2.2	46.5	1.8	0.1	0.1	0.9	47,960
Laikipia East	20.9	2.9	10.6	2.5	58.6	3.9	0.1	0.1	0.4	31,010
Laikipia North	5.2	3.3	60.0	6.9	17.4	3.4	1.7	0.1	2.1	18,142
Nakuru County	32.9	5.6	33.7	10.4	13.4	2.9	0.1	0.1	0.8	401,645
Molo	17.2	3.8	32.0	2.3	42.7	1.4	0.0	0.1	0.4	29,907
Njoro	14.3	2.2	63.9	7.8	10.7	0.9	0.0	0.0	0.1	42,322
Naivasha	48.9	8.8	15.3	5.2	12.7	7.1	0.2	0.3	1.3	67,277
Gilgil	29.6	3.9	36.4	8.8	10.7	7.3	0.1	0.2	3.0	36,299
Kuresoi South	2.9	1.5	58.2	7.0	29.4	0.3	0.3	0.1	0.3	22,940
Kuresoi North	3.6	1.8	64.1	5.8	22.3	1.0	0.2	0.1	1.0	26,048
Subukia	19.4	1.8	45.4	5.1	23.6	3.4	0.1	0.1	1.1	21,760
Rongai	23.8	7.8	45.6	11.7	6.7	3.4	0.1	0.1	0.8	30,832
Bahati	43.4	3.7	35.7	7.9	7.5	1.3	0.0	0.1	0.5	34,942
Nakuru Town West	43.1	10.2	10.0	34.0	1.7	0.7	0.0	0.1	0.1	45,137
Nakuru Town East	66.6	8.6	9.6	11.8	2.2	1.0	0.0	0.1	0.0	44,181
Narok County	5.6	3.8	68.4	6.8	9.8	2.9	0.8	0.4	1.5	163,823
Kilgoris	0.8	9.4	74.7	11.1	1.5	1.1	0.5	0.1	0.8	31,705
Emurua Dikirr	0.1	0.7	83.4	11.9	3.1	0.1	0.6	0.0	0.0	16,347
Narok North	17.2	3.0	46.4	3.3	21.9	5.2	0.8	0.7	1.7	37,654
Narok East	6.5	2.0	50.8	5.1	21.7	8.2	2.3	1.1	2.4	17,305
Narok South	1.4	1.8	82.5	4.1	6.6	1.4	0.2	0.2	1.7	33,871
Narok West	3.3	3.9	76.2	8.0	3.4	1.9	1.0	0.2	2.0	26,941
Kajiado County	27.7	7.5	22.6	3.3	8.2	26.6	2.0	0.5	1.6	170,129

Kajiado North	52.4	4.8	1.6	0.9	4.1	35.3	0.0	0.2	0.7	56,678
Kajiado Central	12.7	10.9	46.7	9.0	1.1	13.1	3.3	0.2	3.0	22,398
Kajiado East	28.8	14.2	13.4	2.6	1.6	38.0	0.4	0.6	0.4	36,689
Kajiado West	12.9	5.1	36.8	4.0	4.0	26.3	6.8	0.4	3.7	25,232
Kajiado South	2.4	3.8	44.4	4.1	33.4	6.0	3.0	1.1	1.9	29,132
Kericho County	8.6	12.0	53.2	8.1	11.8	5.1	0.1	0.1	0.9	154,132
Kipkelion East	9.6	9.9	50.1	4.3	24.7	1.0	0.0	0.2	0.1	22,520
Kipkelion West	1.2	2.3	61.5	8.5	20.8	4.2	0.1	0.1	1.5	18,864
Ainamoi	14.8	13.5	34.8	6.8	13.5	16.0	0.1	0.1	0.5	32,267
Bureti	3.0	10.6	65.8	9.4	8.7	1.8	0.0	0.0	0.7	31,560
Belgut	16.5	21.1	43.1	8.9	4.9	2.9	0.0	0.1	2.4	28,595
Sigowet/Soin	2.2	10.4	73.3	11.0	1.1	1.5	0.1	0.0	0.3	20,326
Bomet County	4.7	9.1	64.2	7.0	12.7	0.5	0.1	0.1	1.6	141,219
Sotik	3.0	9.8	69.1	6.6	8.5	0.6	0.1	0.0	2.3	31,878
Chepalungu	0.7	1.5	81.7	9.1	6.7	0.2	0.0	0.0	0.1	30,094
Bomet East	2.3	2.7	79.6	6.2	7.7	0.5	0.2	0.0	0.8	23,897
Bomet Central	6.1	4.6	57.1	6.8	24.0	0.6	0.2	0.1	0.4	23,572
Konoin	11.2	23.6	36.2	6.1	17.7	0.9	0.0	0.1	4.0	31,778
Kakamega County	0.8	13.5	74.6	10.3	0.2	0.3	0.1	0.0	0.4	349,735
Lugari	0.5	11.7	77.5	9.8	0.2	0.1	0.1	0.1	0.1	33,251
Likuyani	0.9	17.7	71.7	9.1	0.2	0.2	0.1	0.0	0.1	25,690
Malava	0.4	8.8	76.3	14.0	0.2	0.1	0.1	0.0	0.0	40,053
Lurambi	1.7	31.2	51.9	13.6	0.2	1.0	0.1	0.0	0.3	36,197
Navakholo	0.3	6.9	85.7	6.4	0.2	0.1	0.1	0.0	0.4	27,107
Mumias West	1.3	24.1	59.8	13.1	0.2	1.0	0.0	0.1	0.3	25,915
Mumias East	0.9	11.5	76.6	10.6	0.2	0.0	0.1	0.0	0.0	21,148
Matungu	0.8	10.4	78.9	9.3	0.2	0.1	0.1	0.0	0.2	30,486
Butere	0.9	9.2	78.2	10.4	0.2	0.1	0.1	0.0	0.8	30,479
Khwisero	0.5	7.8	82.6	7.1	0.1	0.1	0.0	0.0	1.7	23,225
Shinyalu	0.3	10.6	77.2	10.9	0.2	0.1	0.1	0.0	0.5	33,555
Ikolomani	0.4	8.3	86.1	4.9	0.1	0.1	0.0	0.0	0.0	22,629
Vihiga County	0.7	15.1	73.6	10.0	0.1	0.1	0.0	0.0	0.3	120,416
Vihiga	0.7	17.8	66.2	13.9	0.1	0.0	0.0	0.0	1.1	20,143
Sabatia	0.7	17.3	75.2	6.5	0.1	0.1	0.0	0.0	0.0	27,275
Hamisi	0.7	14.9	75.8	8.3	0.2	0.0	0.0	0.0	0.1	30,724
Luanda	1.0	15.2	69.3	13.9	0.1	0.3	0.0	0.0	0.3	22,246
Emuhaya	0.5	9.7	80.3	9.2	0.1	0.1	0.0	0.0	0.0	20,028
Bungoma County	1.5	14.3	70.2	12.5	0.4	0.2	0.1	0.0	0.9	260,628
Mt Elgon	2.3	7.4	75.3	10.9	1.9	0.5	0.2	0.1	1.4	31,587
Sirisia	2.4	14.2	70.5	10.7	0.2	0.0	0.1	0.0	1.9	19,819
Kabuchai	1.0	10.0	73.6	13.4	0.2	0.1	0.1	0.0	1.7	27,260
Bumula	0.6	6.9	77.0	15.0	0.2	0.1	0.1	0.0	0.1	34,280
Kanduyi	1.4	25.4	55.2	16.8	0.2	0.3	0.1	0.0	0.6	46,059
Webuye East	3.3	16.8	69.4	10.2	0.1	0.1	0.0	0.0	0.1	19,017
Webuye West	1.5	17.5	68.7	9.8	0.1	0.2	0.0	0.0	2.2	24,124
Kimilili	1.4	14.1	73.8	10.3	0.2	0.1	0.0	0.0	0.1	24,454
Tongaren	0.6	13.0	74.9	11.2	0.1	0.0	0.0	0.0	0.1	34,028
Busia County	1.7	16.3	68.6	10.5	0.2	0.3	0.3	0.1	2.1	147,910

Teso North	1.0	25.3	65.4	7.6	0.3	0.3	0.1	0.0	0.1	22,917
Teso South	0.5	15.3	71.6	11.5	0.2	0.3	0.2	0.0	0.4	24,451
Nambale	0.5	15.8	72.9	8.9	0.2	0.2	0.4	0.0	0.9	18,672
Matayos	2.7	25.5	61.5	9.2	0.2	0.5	0.3	0.0	0.1	23,278
Butula	1.9	9.7	77.7	9.5	0.2	0.1	0.1	0.0	0.8	25,148
Funyula	2.9	11.1	61.7	10.1	0.1	0.2	0.1	0.4	13.5	18,411
Budalangi	3.3	7.3	67.5	19.3	0.2	0.6	1.5	0.0	0.4	15,033

Annex table 21: Main material of the wall of the main dwelling unit for male and female headed households by county and constituency

County/ constituency	Male headed households						Female headed households													
	Stone	Brick/ block	Mud/ wood	Mud/ cement	Wood only	Corrugated iron sheets	Grass/ reeds	Tin	Other	Househ olds	Stone	Brick/ block	Mud/ wood	Wood only	Corrugated iron sheets	Grass/ reeds	Tin	Other	Households	
Kenya	17.5	16.6	34.7	7.6	11.4	7.4	3.4	0.3	1.2	5,762,320	15.0	17.5	40.4	7.9	10.5	5.1	2.1	0.3	1.2	2,731,060
Rural	5.8	13.1	48.9	7.3	15.4	2.6	5.2	0.3	1.4	3,413,616	5.4	14.9	52.1	8.0	12.6	2.4	2.8	0.4	1.4	1,826,263
Urban	34.6	21.6	14.0	7.9	5.6	14.4	0.7	0.3	0.9	2,348,704	34.2	22.6	16.9	7.6	6.2	10.5	0.8	0.3	0.9	904,797
Nairobi County	46.0	13.7	3.9	5.6	1.9	28.0	0.0	0.6	0.2	739,199	51.5	14.6	3.2	4.6	1.8	23.4	0.0	0.5	0.3	229,278
Westlands	38.6	10.1	1.9	0.7	7.6	40.4	0.0	0.3	0.4	43,574	38.7	10.6	2.1	0.8	8.3	38.8	0.0	0.2	0.5	11,994
Dagoreti North	38.1	12.2	0.8	1.2	2.2	44.9	0.0	0.6	0.1	43,240	47.3	14.9	0.7	1.0	2.1	33.1	0.0	0.5	0.3	13,469
Dagoreti South	27.2	7.1	1.3	0.5	5.8	57.8	0.0	0.3	0.1	42,170	29.5	7.0	1.4	0.5	6.7	54.5	0.0	0.3	0.2	13,392
Langata	38.4	12.5	8.2	6.2	2.4	31.3	0.1	0.6	0.2	39,741	49.0	16.9	5.5	4.3	1.8	21.9	0.1	0.4	0.1	12,915
Kibra	10.5	5.3	24.6	49.4	1.8	7.8	0.0	0.3	0.2	49,942	20.2	8.5	19.7	41.7	1.5	7.9	0.0	0.3	0.2	13,151
Roysambu	74.1	9.2	1.0	0.9	1.7	12.5	0.0	0.5	0.1	42,234	76.0	8.5	0.8	1.1	1.3	11.6	0.0	0.5	0.1	15,443
Kasarani	73.6	8.5	1.7	1.6	1.3	12.3	0.0	0.3	0.6	37,967	73.1	8.8	1.9	1.9	1.2	11.9	0.0	0.3	0.9	11,858
Ruaraka	48.5	22.3	5.8	7.7	1.3	12.9	0.1	1.5	0.1	48,375	46.5	19.9	7.8	8.7	1.3	13.8	0.0	1.9	0.1	11,972
Embakasi South	23.4	13.7	0.2	0.6	0.7	60.5	0.1	0.8	0.0	61,440	29.3	17.0	0.1	0.6	0.7	51.3	0.1	0.8	0.0	13,263
Embakasi North	68.9	17.6	1.4	4.0	1.0	6.5	0.0	0.4	0.2	45,086	67.6	17.7	1.8	3.8	0.9	7.5	0.1	0.4	0.2	15,100
Embakasi Central	72.1	17.9	0.3	0.9	0.4	8.0	0.0	0.2	0.2	44,069	72.7	16.2	0.3	1.1	0.2	9.0	0.0	0.1	0.3	13,693
Embakasi East	49.6	18.6	0.6	1.1	1.3	26.6	0.1	1.7	0.4	37,845	52.7	18.9	0.6	0.9	1.4	24.1	0.1	1.0	0.3	11,086
Embakasi West	71.5	16.8	0.4	0.9	0.6	9.2	0.0	0.2	0.4	32,893	72.3	16.3	0.3	0.9	0.5	8.9	0.0	0.2	0.4	12,019

Makadara	43.2	12.7	0.5	1.1	1.0	41.1	0.0	0.3	0.2	43,355	52.3	14.6	0.4	1.1	0.8	30.3	0.0	0.3	0.2	15,479
Kamukunji	43.9	15.5	9.0	5.8	1.0	23.6	0.0	0.5	0.6	42,495	50.5	17.3	7.1	4.7	0.8	18.8	0.0	0.2	0.5	16,401
Starehe	41.5	13.2	0.7	1.4	1.1	41.0	0.1	0.7	0.3	36,497	52.4	17.1	0.4	1.6	0.7	26.7	0.0	0.7	0.3	13,139
Mathare	41.7	19.1	4.6	3.4	1.5	28.5	0.0	1.0	0.2	48,276	42.4	18.3	4.2	3.3	1.7	28.7	0.0	1.1	0.2	14,904
Nyandarua County	13.5	2.7	33.2	2.9	43.3	2.9	0.0	0.1	1.4	92,263	13.4	2.6	33.7	3.0	42.3	3.3	0.0	0.1	1.5	48,482
Kinangop	14.9	3.8	33.3	3.5	40.8	3.4	0.0	0.1	0.1	30,065	16.0	4.0	33.6	3.4	38.7	4.0	0.0	0.2	0.2	14,472
Kipipiri	9.1	2.3	50.5	5.0	28.0	2.9	0.0	0.1	2.1	13,901	8.9	1.9	49.8	4.9	28.7	3.6	0.1	0.0	2.1	7,903
Ol Kalou	18.6	2.8	43.0	2.7	28.4	2.9	0.0	0.1	1.5	17,659	18.0	3.0	43.5	3.2	27.2	3.0	0.0	0.2	1.9	9,221
Ol Jorok	13.5	1.6	17.9	1.6	61.3	2.2	0.0	0.1	1.8	15,711	13.7	1.7	18.3	1.6	60.2	2.6	0.0	0.1	1.7	8,433
Ndaragwa	8.3	1.6	21.2	1.5	61.4	2.8	0.1	0.1	3.0	14,927	8.0	1.4	23.4	1.9	60.0	2.9	0.0	0.0	2.4	8,453
Nyeri County	21.2	4.7	9.7	1.2	61.0	1.5	0.2	0.2	0.3	128,319	21.8	4.7	11.1	1.4	59.0	1.5	0.0	0.2	0.3	71,157
Tetu	13.3	1.3	5.4	0.7	78.3	0.5	0.0	0.0	0.3	13,547	11.3	1.1	6.1	0.8	79.7	0.6	0.0	0.1	0.2	7,881
Kieni	9.9	1.7	7.6	0.7	77.4	1.9	0.5	0.1	0.1	34,360	10.9	1.8	8.6	0.8	76.1	1.6	0.1	0.1	0.1	16,538
Mathira	24.6	3.6	10.7	1.3	58.3	0.8	0.1	0.1	0.5	27,615	26.4	3.2	12.2	1.7	55.3	0.7	0.0	0.1	0.4	15,822
Othaya	20.5	1.3	8.4	1.0	66.7	1.3	0.0	0.6	0.2	14,834	20.9	1.1	9.1	1.4	65.3	1.5	0.0	0.6	0.1	9,073
Mukurwe-Ini	16.2	24.3	25.2	3.8	27.0	2.7	0.0	0.5	0.3	14,255	14.8	21.1	26.0	3.4	29.7	3.9	0.1	0.7	0.3	9,595
Nyeri Town	41.5	2.7	5.4	0.7	47.1	1.6	0.1	0.2	0.6	23,708	43.8	2.9	5.7	0.7	45.5	1.0	0.0	0.1	0.3	12,248
Kirinyaga County	22.6	17.5	18.8	3.1	35.0	1.7	0.5	0.1	0.6	106,905	28.1	15.2	17.8	2.9	33.3	1.6	0.4	0.1	0.6	45,741
Mwaa	26.8	29.3	24.9	5.1	8.1	2.9	1.4	0.1	1.3	39,514	33.2	26.0	23.6	4.6	7.7	2.5	1.1	0.1	1.2	15,584
Gichugu	15.5	7.4	17.9	1.8	56.7	0.5	0.0	0.2	0.1	25,509	21.0	6.8	17.4	1.7	52.2	0.6	0.0	0.1	0.2	10,361

Ndia	25.2	22.7	15.1	2.2	32.4	1.8	0.1	0.3	19,339	28.0	19.6	15.2	2.4	32.3	2.1	0.0	0.1	0.3	9,894	
Kirinyaga Central	21.1	3.6	12.5	1.6	59.9	0.9	0.0	0.1	0.3	22,543	27.7	2.7	11.7	1.8	55.0	0.8	0.0	0.1	0.3	9,902
Muranga County	29.3	13.3	23.3	2.7	15.7	13.2	0.1	1.8	0.7	158,183	28.0	13.4	24.0	2.8	12.9	15.9	0.1	2.3	0.5	93,993
Kangema	19.9	2.4	14.3	2.5	29.1	26.6	0.1	3.5	1.7	13,208	19.2	2.8	14.6	2.6	22.2	33.0	0.1	4.3	1.2	8,511
Mathioya	17.8	2.6	14.6	2.5	24.4	31.0	0.1	6.5	0.6	14,503	17.1	2.9	14.3	2.7	18.9	35.0	0.2	8.2	0.7	9,986
Kiharu	32.6	16.0	24.8	3.4	11.2	10.5	0.1	1.0	0.4	31,300	31.0	15.6	25.6	3.5	9.6	12.8	0.0	1.4	0.4	19,451
Kigumo	20.5	7.2	27.8	2.3	25.0	13.6	0.1	3.0	0.5	20,999	20.2	7.1	31.0	2.2	18.5	16.7	0.2	3.5	0.5	11,873
Maragwa	30.5	25.5	24.8	3.0	4.7	10.6	0.1	0.5	0.3	24,940	30.6	25.7	25.3	3.0	4.9	9.9	0.0	0.3	0.2	14,698
Kandara	32.3	9.1	34.0	2.7	8.6	11.5	0.1	1.2	0.5	25,664	31.6	7.7	33.9	2.6	7.6	14.4	0.1	1.5	0.5	15,040
Gatanga	38.9	18.5	15.7	2.4	19.1	3.8	0.1	0.4	1.1	27,569	36.9	22.7	16.6	2.4	17.1	3.4	0.0	0.4	0.5	14,434
Kiambu County	48.8	4.7	4.6	1.3	13.9	25.8	0.0	0.6	0.2	327,558	47.6	5.0	5.3	1.4	15.8	23.9	0.0	0.8	0.2	128,752
Gatundu South	34.0	3.9	13.7	3.0	15.4	27.4	0.1	2.3	0.2	19,229	35.9	3.6	12.7	2.8	15.3	27.4	0.0	2.1	0.1	10,389
Gatundu North	28.8	15.6	9.5	2.6	24.5	17.2	0.0	1.5	0.4	16,215	30.8	16.0	9.0	3.0	21.8	17.2	0.0	1.6	0.6	8,745
Juja	81.3	4.9	1.9	1.4	1.9	8.1	0.0	0.3	0.2	27,344	80.3	5.1	2.0	1.7	2.1	8.1	0.1	0.5	0.1	9,461
Thika Town	72.6	7.1	7.4	2.2	6.0	4.3	0.0	0.3	0.2	37,185	74.6	8.1	6.4	2.1	5.2	3.4	0.0	0.1	0.1	14,236
Ruiru	78.5	7.9	1.0	1.3	1.7	9.1	0.0	0.3	0.2	47,939	78.1	8.8	1.2	1.2	1.8	8.4	0.0	0.3	0.2	15,762
Githunguri	30.8	2.1	3.8	0.4	25.8	36.1	0.0	0.9	0.1	27,089	33.5	2.1	4.2	0.4	27.1	31.5	0.0	1.1	0.1	11,756
Kiambu	49.3	2.9	2.0	0.4	8.4	35.9	0.0	0.8	0.2	22,644	48.9	2.8	2.1	0.3	10.7	34.0	-	1.0	0.2	8,543
Kiambaa	38.3	2.3	1.9	0.4	13.8	42.6	0.0	0.6	0.1	30,984	41.2	2.5	2.1	0.3	15.0	37.9	0.0	0.8	0.1	10,559
Kabetu	30.5	2.1	1.6	0.2	10.3	55.0	0.0	0.2	0.1	29,836	31.1	2.3	1.8	0.2	11.1	53.1	-	0.4	0.1	10,439

Kikuyu	36.0	2.5	4.5	1.0	8.5	47.1	0.0	0.4	0.1	25,511	37.1	2.2	6.5	1.2	9.5	43.2	-	0.4	0.1	9,948
Limuru	37.4	3.1	8.8	1.9	24.3	23.6	0.0	0.5	0.4	22,778	33.0	3.0	10.7	2.8	28.6	21.0	0.0	0.6	0.3	9,450
Lari	17.9	2.5	7.1	1.2	54.0	16.5	0.0	0.6	0.2	20,804	19.0	1.9	7.7	1.5	54.7	14.5	0.1	0.6	0.1	9,464
Mombasa County	30.4	40.4	10.5	13.2	0.2	0.7	0.1	0.1	4.3	206,719	30.4	41.4	9.8	12.9	0.2	0.4	0.2	0.1	4.7	59,278
Changamwe	23.8	35.5	10.8	18.2	0.1	0.5	0.1	0.1	10.9	32,464	23.0	35.9	9.8	17.7	0.1	0.3	0.1	0.0	13.0	9,397
Jomvu	17.1	31.5	25.8	18.5	0.1	0.4	0.2	0.1	6.5	26,909	18.3	31.3	25.0	17.7	0.1	0.3	0.1	0.0	7.2	7,922
Kisauri	26.7	46.2	13.1	11.3	0.3	0.8	0.2	0.2	1.3	40,298	28.0	46.9	12.1	10.7	0.2	0.5	0.4	0.1	1.0	11,884
Nyali	29.3	45.7	8.0	14.5	0.3	0.7	0.1	0.1	1.4	42,885	29.6	47.6	6.8	13.6	0.3	0.3	0.1	0.1	1.8	11,685
Likoni	50.7	34.7	1.8	6.7	0.0	0.2	0.2	0.0	5.6	39,708	49.6	34.9	2.1	7.3	0.0	0.1	0.2	0.1	5.8	9,994
Mvita	29.0	47.6	7.8	11.9	0.6	1.9	0.1	0.2	0.8	24,455	31.5	48.6	5.2	11.7	0.4	1.3	0.1	0.1	1.0	8,396
Kwale County	16.5	15.7	54.3	9.5	0.4	0.3	2.4	0.1	0.8	80,118	12.6	11.8	62.2	10.1	0.3	0.2	1.9	0.0	0.8	39,254
Msaibweni	34.5	27.1	7.3	0.2	0.6	2.0	0.1	1.2	23,816	33.9	26.0	30.0	7.2	0.2	0.3	1.3	0.0	1.0	8,305	
Lungaa Lungaa	5.4	9.5	72.4	8.3	1.0	0.1	2.8	0.0	0.5	17,328	4.8	7.9	76.4	7.8	0.5	0.1	2.0	0.0	0.4	9,352
Matuga	15.7	16.7	54.5	9.7	0.3	0.4	2.0	0.1	0.6	19,145	12.6	13.2	61.0	10.5	0.2	0.3	1.6	0.0	0.5	8,600
Kinango	5.4	6.3	70.8	13.1	0.4	0.2	2.8	0.1	0.8	19,829	4.8	4.6	73.2	13.4	0.3	0.1	2.5	0.0	1.0	12,997
Kilifi County	11.0	24.3	51.2	8.0	2.3	0.4	1.4	0.1	1.3	128,348	9.3	19.6	58.4	8.1	1.9	0.2	1.1	0.0	1.3	62,381
Kilifi North	13.4	28.2	43.8	6.0	3.4	0.5	1.0	0.0	3.7	24,373	12.3	25.5	48.8	6.4	2.8	0.1	0.5	0.0	3.5	11,245
Kilifi South	13.4	35.4	40.4	8.0	0.2	0.6	0.6	0.1	1.3	24,035	11.4	28.8	48.5	8.3	0.2	0.2	1.2	0.1	1.4	11,773
Kaloleni	12.0	14.6	59.4	12.2	0.7	0.4	0.3	0.1	0.3	15,734	8.6	10.8	66.7	11.8	1.0	0.2	0.3	0.0	0.5	8,671
Rabai	12.7	14.3	60.1	8.1	3.0	0.3	0.3	0.1	1.1	10,848	12.7	12.4	62.2	7.5	3.3	0.1	0.2	0.0	1.6	5,031

Ganze	1.9	4.4	819	8.3	0.9	0.2	2.1	0.0	0.3	11,193	1.3	3.7	83.4	9.0	0.6	0.1	1.6	0.1	0.3	8,645
Malindi	14.5	40.0	33.3	8.4	2.1	0.4	0.7	0.1	0.6	23,768	13.9	36.4	38.8	8.0	1.4	0.4	0.6	0.0	0.5	9,414
Magarini	3.8	10.7	67.3	6.3	5.8	0.2	5.3	0.1	0.4	18,347	3.6	8.8	72.2	5.9	5.3	0.1	3.6	0.0	0.3	7,602
Tana River County	1.8	5.6	42.2	8.1	11.7	0.6	29.0	0.1	0.9	31,379	2.2	5.4	39.0	8.5	12.9	0.3	30.9	0.1	0.9	13,848
Garsen	1.6	4.2	53.0	9.5	1.6	0.4	28.1	0.2	1.3	12,805	2.2	4.2	52.2	9.9	1.5	0.1	28.6	0.1	1.2	5,167
Gale	3.8	5.2	51.4	9.3	3.1	0.5	26.0	0.0	0.8	7,579	4.1	4.2	44.5	9.5	3.9	0.2	32.8	0.1	0.8	3,745
Bura	0.6	7.6	23.3	5.7	29.4	0.9	32.0	0.1	0.5	10,985	0.6	7.4	20.9	6.2	31.8	0.5	31.9	0.0	0.6	4,936
Lamu County	10.7	18.9	46.2	13.3	0.8	0.5	7.2	0.1	2.4	15,813	11.6	18.2	48.0	16.2	0.4	0.2	3.7	0.0	1.5	5,245
Lamu East	20.1	12.0	34.2	24.7	0.1	0.1	3.7	0.6	4.6	2,582	25.3	8.6	39.9	22.4	0.3	-	1.0	-	2.4	940
Lamu West	8.9	20.2	48.5	11.1	0.9	0.5	7.9	0.1	2.0	13,231	8.6	20.3	49.8	14.9	0.5	0.3	4.3	0.0	1.3	4,305
Taita-Taveta County	4.6	42.6	38.6	8.7	1.3	1.2	0.6	0.1	2.4	46,628	4.0	43.6	40.7	8.6	1.3	0.3	0.4	0.1	1.2	23,655
Taveta	9.7	26.4	50.3	9.1	0.5	1.1	1.2	0.0	1.7	11,740	10.9	27.7	49.5	8.3	0.6	0.6	0.6	0.1	1.6	4,375
Wundanyi	2.9	58.4	28.8	5.4	1.0	2.1	0.1	0.4	1.0	9,305	2.5	57.6	32.0	6.6	0.5	0.2	0.1	0.0	0.4	5,121
Mwatate	1.4	47.0	33.4	11.0	0.5	1.3	0.3	0.1	5.2	11,527	0.9	49.8	36.2	10.3	0.2	0.1	0.0	0.0	2.5	6,408
Voi	4.0	41.9	39.5	8.8	2.7	0.6	0.6	0.1	1.8	14,056	3.5	38.1	45.3	8.7	3.0	0.3	0.6	0.0	0.4	7,751
Marsabit County	1.8	5.4	28.7	10.8	6.6	1.1	12.6	2.7	30.3	33,330	1.1	4.5	33.7	11.4	8.9	1.0	9.2	4.5	25.8	20,269
Moyale	1.0	10.1	44.6	17.2	2.2	0.3	21.7	0.0	2.8	10,325	1.1	10.0	51.3	20.0	1.8	0.1	12.5	0.0	3.3	5,368
North Horr	1.9	0.8	7.4	1.8	3.7	1.1	8.3	2.7	72.3	10,553	1.0	0.4	13.1	2.9	2.8	0.5	6.0	3.2	70.0	4,578
Saku	3.5	8.0	57.7	23.8	2.2	2.4	1.3	0.2	1.0	5,750	2.4	5.5	63.5	22.7	1.7	1.3	0.4	0.8	3,732	
Laisamis	1.4	3.0	12.9	3.8	21.7	1.3	15.1	9.0	31.9	6,702	0.6	2.3	16.9	3.8	22.9	1.6	13.2	27.5	6,591	

Isiolo County	11.0	7.3	282	3.6	225	1.5	20.2	3.7	2.1	19,020	9.2	5.6	35.8	3.9	22.1	0.7	13.6	6.8	2.3	11,857
Isiolo North	15.7	9.5	25.4	1.9	30.6	1.9	7.1	5.3	2.5	13,062	12.0	6.5	32.0	2.4	28.1	0.9	6.4	8.9	2.9	9,087
Isiolo South	0.7	2.4	34.4	7.2	4.5	0.8	49.0	0.1	1.0	5,958	0.3	2.9	48.4	8.7	2.3	0.1	36.9	0.1	0.2	2,770
Meru County	11.6	3.8	17.1	1.5	64.0	0.4	0.8	0.1	0.7	221,998	13.3	3.2	20.7	1.7	59.3	0.4	0.6	0.1	0.8	89,267
Igembé South	9.5	3.8	15.3	1.2	67.7	0.4	1.9	0.1	0.1	22,483	11.5	3.9	19.9	1.5	60.8	0.4	1.8	0.1	0.2	7,246
Igembé Central	4.3	3.5	22.7	1.9	65.8	0.4	1.2	0.1	0.1	28,816	3.9	3.4	28.4	2.1	60.7	0.3	1.0	0.1	0.1	9,579
Igembé North	6.1	3.8	30.0	2.3	55.8	0.5	1.2	0.1	0.3	21,681	6.4	3.1	36.7	2.2	49.5	0.3	1.6	0.1	0.2	7,467
Tigania West	6.2	4.9	24.4	2.5	59.4	0.4	0.6	0.1	1.6	18,221	6.1	3.5	30.0	2.6	55.2	0.4	0.4	0.1	1.9	9,911
Tigania East	4.6	7.6	30.5	2.3	51.8	0.2	0.9	0.1	2.0	21,181	5.4	4.9	37.0	2.6	46.9	0.2	0.7	0.1	2.2	9,711
North Ilmenti	27.0	4.3	5.5	0.7	61.5	0.5	0.1	0.0	0.4	28,252	28.5	3.9	6.2	0.9	59.6	0.4	0.0	0.0	0.3	12,062
Buuri	10.0	3.2	9.1	1.1	74.4	0.8	0.6	0.1	0.7	26,604	9.8	2.4	11.0	1.1	73.8	0.6	0.3	0.0	0.8	12,222
Central Ilmenti	12.3	2.4	12.3	0.6	70.6	0.2	0.3	0.1	1.2	21,125	15.6	2.0	14.9	1.0	64.8	0.3	0.3	0.1	1.2	8,437
South Ilmenti	18.3	2.2	11.8	1.5	65.0	0.3	0.3	0.0	0.5	33,635	24.5	1.9	13.0	1.7	57.8	0.4	0.1	0.1	0.6	12,632
Tharaka Nithi County	12.6	5.6	40.7	3.8	35.9	0.3	0.2	0.0	0.8	59,079	14.8	5.2	45.0	4.3	29.3	0.3	0.3	0.0	0.8	27,711
Maara	14.9	1.9	19.7	1.9	59.1	0.3	0.2	0.0	1.9	19,764	19.1	1.9	21.1	1.9	53.3	0.4	0.1	0.0	2.1	7,910
Chukai/Igamgangombe	16.7	3.4	34.1	3.1	42.0	0.3	0.2	0.0	0.1	21,832	19.2	3.2	39.4	3.4	33.9	0.4	0.3	0.1	0.2	11,060
Tharaka	4.8	12.6	72.6	6.9	2.1	0.3	0.4	0.0	0.3	17,483	5.3	10.6	73.5	7.6	1.9	0.2	0.4	0.0	0.4	8,741
Embu County	15.8	22.0	27.6	2.8	26.6	1.9	0.4	0.1	2.8	86,215	17.0	20.5	31.3	3.2	22.6	1.9	0.3	0.1	3.0	41,864
Manyatta	27.8	7.4	124	1.7	44.6	3.8	0.1	0.1	2.1	28,078	30.3	6.3	13.1	1.8	41.6	4.0	0.0	0.1	2.7	12,752
Runyenjes	9.8	16.7	25.2	1.5	38.7	0.7	0.1	0.1	7.2	25,528	10.6	15.5	26.6	1.7	36.1	1.1	0.1	0.0	8.3	10,982
Mbere South	11.1	40.1	38.5	5.8	1.7	1.4	1.2	0.1	0.1	19,686	14.3	38.9	37.5	5.8	1.4	1.0	1.1	0.0	0.1	10,243

Mbeere North	8.8	36.6	48.8	3.4	1.2	0.8	0.3	0.1	0.1	12,923	8.1	26.5	59.4	4.4	0.9	0.5	0.2	0.0	0.0	7,887
Kitui County	2.7	63.3	25.6	6.2	1.1	0.2	0.5	0.1	0.2	110,589	2.1	64.6	25.5	6.4	0.8	0.1	0.4	0.0	0.1	91,103
Mwingi North	0.4	50.3	39.2	4.5	4.7	0.2	0.5	0.1	0.2	13,719	0.3	52.7	39.0	4.2	3.3	0.1	0.5	0.0	0.1	12,059
Mwingi West	7.3	83.7	4.0	4.2	0.3	0.1	0.2	0.0	0.1	13,605	4.6	86.6	3.7	4.6	0.2	0.0	0.2	0.0	0.1	12,782
Mwingi Central	5.3	42.3	45.5	4.9	0.9	0.3	0.3	0.0	0.4	13,008	3.6	40.0	49.6	5.2	0.8	0.2	0.4	0.0	0.2	11,220
Kitui West	2.9	84.2	5.8	6.6	0.1	0.1	0.1	0.1	0.0	11,462	2.4	83.5	6.1	7.7	0.1	0.0	0.1	0.0	0.0	10,517
Kitui Rural	2.1	66.3	20.1	10.3	0.5	0.3	0.3	0.0	0.1	11,693	2.1	69.1	17.8	10.4	0.2	0.1	0.2	-	0.1	9,439
Kitui Central	3.0	80.2	6.9	8.8	0.2	0.4	0.2	0.1	0.1	16,430	2.5	78.9	8.1	9.9	0.2	0.1	0.2	0.0	0.1	11,985
Kitui East	0.4	48.9	43.4	5.0	1.1	0.1	0.7	0.0	0.3	13,499	0.3	48.2	45.3	4.5	0.8	0.1	0.6	0.0	0.1	10,052
Kitui South	0.6	52.7	37.9	5.8	1.1	0.1	1.2	0.0	0.5	17,173	0.6	56.3	35.6	5.7	0.5	0.1	0.9	0.0	0.3	13,049
Machakos County	26.3	58.0	4.0	1.7	0.6	9.0	0.1	0.2	0.2	165,090	22.0	67.6	4.4	1.9	0.3	3.5	0.1	0.1	0.2	95,690
Masvinga	7.4	80.3	8.3	2.8	0.2	0.6	0.2	0.0	0.2	15,335	6.8	81.9	7.9	2.6	0.1	0.3	0.1	0.0	0.1	11,557
Yatta	29.9	57.7	8.0	2.3	0.2	1.6	0.1	0.0	0.1	19,015	26.6	61.6	7.8	3.0	0.1	0.7	0.1	0.0	0.1	13,640
Kangundo	24.5	73.3	0.4	1.4	0.1	0.2	0.1	0.0	0.1	13,473	24.0	73.9	0.3	1.4	0.1	0.1	0.1	0.0	0.0	8,368
Matungulu	45.5	48.0	2.6	0.8	0.3	2.3	0.1	0.0	0.2	18,319	45.3	49.8	2.3	0.8	0.2	1.3	0.1	0.0	0.2	9,864
Kathiani	10.7	84.6	2.4	2.0	0.0	0.1	0.1	0.0	0.0	13,362	10.0	85.5	2.3	2.1	0.0	0.0	0.1	0.0	0.0	9,801
Mavoko	38.4	16.8	2.5	1.1	1.8	38.2	0.1	0.6	0.5	35,172	41.3	18.2	3.3	0.8	1.9	32.8	0.2	0.6	0.8	8,984
Machakos Town	29.0	62.3	4.3	2.1	0.4	1.7	0.1	0.0	0.1	30,452	25.8	66.2	4.8	2.0	0.3	0.8	0.1	-	0.1	17,986
Mwala	5.9	87.7	4.0	1.8	0.1	0.2	0.1	0.0	0.2	19,962	5.2	88.8	3.8	1.8	0.1	0.1	0.1	0.0	0.1	15,490
Makueni County	2.6	71.9	20.3	3.8	0.4	0.6	0.2	0.0	0.1	108,060	2.6	73.5	19.1	3.9	0.3	0.3	0.2	0.0	0.1	76,434

Mbooni	2.7	82.5	11.4	2.7	0.2	0.1	0.0	0.2	21,097	2.7	82.6	11.5	2.8	0.1	0.1	-	0.3	17,139		
Kilome	6.3	62.3	23.7	3.4	0.5	3.1	0.1	0.4	11,342	6.7	66.5	21.0	3.7	0.2	1.6	0.1	0.0	8,111		
Kaiti	2.6	78.2	15.2	3.6	0.1	0.1	0.0	0.0	13,556	3.2	77.2	15.6	3.7	0.1	0.1	0.0	0.1	11,170		
Makueni	1.3	71.2	22.3	4.7	0.1	0.1	0.0	0.1	23,388	1.0	72.7	21.1	4.7	0.1	0.0	0.2	0.0	15,332		
Kibwezi West	1.7	70.2	22.8	3.6	0.2	0.7	0.5	0.1	0.2	22,272	1.5	70.7	23.0	3.5	0.3	0.5	0.4	0.0	13,756	
Kibwezi East	2.8	62.9	27.2	4.8	1.6	0.4	0.3	0.0	0.0	16,405	2.1	65.3	25.9	5.3	1.0	0.1	0.3	0.0	10,926	
Garissa County	5.5	14.6	8.3	5.9	7.6	1.0	56.2	0.1	0.8	53,423	7.9	22.5	9.5	7.3	5.9	0.9	44.5	0.1	13,5946	
Garissa Township	17.4	50.0	13.1	7.3	1.1	0.8	8.5	0.2	1.5	13,752	17.6	55.7	11.2	6.9	0.8	0.4	5.0	0.1	2.2	6,106
Balambala	0.6	1.0	9.3	3.5	26.3	0.2	59.1	0.1	0.1	8,823	1.2	1.1	10.0	5.3	25.4	0.1	56.5	0.1	0.3	1,843
Lagdera	0.5	0.6	4.8	3.4	2.1	0.1	88.3	0.0	0.1	10,087	0.8	0.7	8.4	5.2	1.2	0.1	83.2	0.1	0.3	1,587
Dadaab	0.8	1.2	6.7	7.1	5.1	3.0	75.1	0.1	0.9	7,424	0.7	0.8	8.5	8.6	5.8	5.9	68.1	0.2	1.5	1,820
Faf	1.2	1.5	4.7	5.9	7.5	0.6	78.3	0.2	0.2	4,326	0.8	0.3	6.0	9.2	6.6	0.2	76.4	0.1	0.5	1,759
Jara	4.0	6.8	6.9	7.6	7.4	1.5	64.1	0.2	1.3	9,011	4.3	4.8	9.1	8.7	6.6	0.4	65.0	0.1	1.1	2,831
Wajir County	3.6	2.5	5.1	2.3	8.5	0.2	77.5	0.1	0.4	62,285	7.4	3.4	5.3	2.3	7.3	0.1	73.8	0.0	0.4	14,755
Wajir North	0.4	0.8	9.7	6.0	7.7	0.1	74.9	0.0	0.4	11,685	0.6	0.7	14.6	7.6	7.3	0.1	68.4	-	0.7	2,325
Wajir East	17.0	4.9	0.2	0.4	5.7	0.5	71.1	0.0	0.3	11,499	23.5	4.7	0.0	0.3	3.4	0.2	67.7	-	0.1	4,305
Tarbal	0.2	0.2	0.6	0.3	18.0	0.1	80.5	0.0	0.1	8,793	0.1	-	0.6	0.3	15.6	-	83.2	0.1	0.1	1,573
Wajir West	0.4	3.1	1.2	1.9	0.6	0.1	92.2	0.2	0.4	9,887	0.5	2.2	2.0	1.0	0.7	-	93.3	0.1	0.4	1,992
Eldas	0.7	0.6	9.2	0.9	6.8	0.4	80.9	0.1	0.5	7,625	1.6	0.3	5.7	0.8	8.5	0.1	82.5	-	0.5	1,562
Wajir South	0.7	4.1	8.8	3.2	12.3	0.2	70.1	0.1	0.5	12,796	1.0	7.8	9.9	3.7	12.1	0.3	64.5	0.1	0.5	2,998

Mandera County	2.6	3.9	5.8	1.9	19.1	0.3	64.1	0.1	2.3	97,817	4.1	7.4	7.3	2.0	14.7	0.2	61.4	0.1	2.8	22,260
Mandera West	0.4	4.5	10.2	3.2	20.9	0.5	60.2	0.1	0.1	14,614	0.1	5.1	11.6	2.6	18.2	0.4	61.9	0.1	0.1	2,808
Banissa	0.4	0.9	7.2	1.9	11.3	0.2	78.1	0.1	0.1	15,916	0.2	0.8	9.3	2.4	9.3	0.2	77.6	0.0	0.2	2,960
Mandera North	1.1	2.0	8.6	2.7	24.7	0.4	57.9	0.1	2.4	16,318	1.6	2.7	12.8	3.5	20.0	0.2	56.4	0.1	2.6	3,852
Mandera South	7.1	1.1	3.0	1.0	11.3	0.1	76.3	0.0	0.1	23,630	9.3	1.1	3.4	0.6	6.8	0.0	78.6	-	0.1	5,274
Mandera East	4.3	19.0	5.7	2.5	15.7	0.2	51.3	0.1	1.2	12,070	7.3	26.7	6.0	2.6	11.5	0.2	43.2	0.2	2.3	4,823
Lafey	0.3	0.6	1.2	0.8	34.6	0.2	51.0	0.2	11.2	15,269	0.1	1.1	2.2	0.7	31.7	0.2	48.0	0.5	15.5	2,543
Siaya County	1.9	15.0	61.8	19.2	0.2	0.6	0.2	0.1	1.1	106,856	1.4	11.5	66.1	19.4	0.2	0.2	0.1	0.0	1.2	88,552
Ugenya	2.2	13.1	67.6	15.4	0.3	0.3	0.1	0.0	1.0	12,407	1.8	10.8	69.4	16.7	0.2	0.1	0.1	0.0	1.0	13,183
Ugunja	2.1	14.3	71.8	11.0	0.2	0.2	0.3	0.0	0.1	11,367	1.5	10.5	76.0	11.6	0.2	0.1	0.1	0.0	0.1	10,590
Alego Usonga	1.9	19.8	62.0	15.4	0.2	0.4	0.1	0.1	0.1	23,580	1.1	13.3	68.7	16.2	0.3	0.2	0.1	0.0	0.0	20,877
Gem	1.0	11.5	69.7	13.2	0.1	0.5	0.1	0.0	0.9	20,258	0.8	10.6	69.1	14.8	0.1	0.2	0.1	0.0	4.3	16,138
Bondo	2.5	16.1	49.0	30.0	0.1	1.0	0.2	0.2	0.8	22,004	2.0	12.8	54.0	29.9	0.1	0.5	0.1	0.0	0.5	14,352
Rarieka	1.8	12.8	57.7	26.0	0.2	0.6	0.2	0.1	0.5	17,240	1.2	9.7	60.4	27.3	0.1	0.3	0.2	0.0	0.8	13,412
Kisumu County	3.5	23.1	45.4	22.2	0.2	3.9	0.1	0.2	1.3	141,137	2.8	17.2	57.0	19.5	0.2	1.6	0.0	0.1	1.6	80,720
Kisumu East	2.6	21.7	40.8	32.8	0.2	1.5	0.0	0.1	0.2	26,645	2.5	19.0	50.5	27.0	0.1	0.8	0.0	0.0	0.2	10,262
Kisumu West	3.2	18.4	51.9	24.3	0.1	1.7	0.1	0.1	0.1	17,981	3.3	13.8	59.4	22.9	0.1	0.4	0.0	0.0	0.0	10,493
Kisumu Central	9.4	45.0	12.0	27.5	0.2	4.6	0.0	0.2	1.2	31,231	10.4	50.3	10.8	23.4	0.2	3.1	0.0	0.2	1.5	11,831
Seme	0.9	9.9	66.3	22.3	0.1	0.4	0.1	0.0	0.1	11,755	0.8	7.3	69.3	22.3	0.1	0.1	0.0	0.0	0.0	10,893
Nyando	0.8	13.6	66.7	9.4	0.2	1.6	0.1	0.1	7.4	16,676	0.8	10.3	70.8	9.4	0.2	0.6	0.0	0.1	7.7	13,192

Muhoroni	2.0	17.0	52.3	13.5	0.7	13.6	0.2	0.6	0.2	22,188	1.2	9.6	65.6	16.7	0.4	6.0	0.1	0.2	0.1	10,722
Nyakach	0.8	15.6	65.4	17.1	0.1	0.5	0.0	0.2	0.3	14,661	0.7	10.3	70.5	17.7	0.1	0.2	0.0	0.1	0.5	13,327
Homa Bay County	2.9	9.5	63.0	16.0	0.3	7.2	0.2	0.2	0.7	114,397	2.1	7.3	69.0	16.9	0.3	3.4	0.1	0.1	0.8	88,795
Kasipul	2.3	19.7	59.5	16.8	0.6	1.0	0.1	0.1	-	13,329	1.6	13.8	68.1	15.7	0.5	0.3	0.0	0.0	0.0	10,876
Kabondo Kasipul	1.2	14.0	69.9	14.3	0.1	0.3	0.0	0.0	0.1	11,786	1.0	10.2	73.7	15.0	0.1	0.1	0.0	0.0	0.0	10,217
Karachuonyo	4.3	5.9	69.0	18.8	0.4	1.1	0.1	0.0	0.4	18,869	3.1	4.8	70.5	20.3	0.5	0.4	0.0	0.0	0.4	15,064
Rangwe	1.1	7.0	71.3	19.9	0.2	0.4	0.1	0.0	0.0	10,899	0.6	4.2	75.3	19.4	0.2	0.2	0.1	0.0	-	9,762
Homa Bay Town	5.1	11.2	41.4	13.8	0.3	25.6	0.1	0.7	1.9	12,661	4.2	9.7	51.6	15.7	0.2	15.6	0.0	0.5	2.3	8,648
Ndhiwa	0.7	6.3	74.1	14.7	0.2	1.7	0.7	0.1	1.6	19,706	0.6	5.1	75.5	15.5	0.2	0.9	0.4	0.0	1.8	16,818
Suba North	3.7	10.4	50.6	13.2	0.2	20.6	0.1	0.3	0.9	14,463	2.9	8.3	61.4	15.3	0.1	10.6	0.1	0.2	1.0	9,077
Suba South	5.4	4.8	62.4	16.3	0.3	10.4	0.2	0.1	0.0	12,684	4.2	4.2	67.3	18.0	0.3	5.7	0.2	0.1	0.1	8,333
Migori County	1.0	18.8	62.9	14.6	0.3	1.9	0.1	0.0	0.2	102,882	0.9	14.0	67.7	15.8	0.2	0.9	0.1	0.0	0.3	63,605
Rongo	1.1	17.7	59.6	20.1	0.1	1.0	0.1	0.0	0.2	11,204	0.9	13.5	64.6	20.2	0.0	0.4	0.1	0.0	0.2	8,295
Awendo	1.0	25.3	50.4	17.0	0.4	5.8	0.1	0.0	0.0	13,563	0.7	15.1	61.5	21.1	0.1	1.4	0.0	0.0	-	8,256
Suna East	1.7	24.3	56.9	15.7	0.2	0.6	0.3	0.1	0.1	11,774	1.7	19.6	61.4	16.5	0.1	0.2	0.3	0.1	0.0	6,890
Suna West	0.9	22.8	53.0	22.2	0.3	0.5	0.1	0.0	0.2	11,093	0.8	17.8	60.1	20.5	0.1	0.2	0.1	-	0.4	7,128
Uuri	1.0	10.2	75.3	13.1	0.1	0.2	0.1	0.0	0.0	12,534	1.0	8.1	75.8	14.8	0.1	0.1	0.1	0.0	0.0	8,333
Nyatike	1.4	20.0	58.4	13.2	1.0	5.5	0.2	0.0	0.4	15,417	1.2	15.9	64.3	14.4	0.7	2.8	0.1	0.1	0.5	11,916
Kuria West	0.7	20.2	68.7	9.3	0.1	0.3	0.1	0.0	0.6	18,711	0.5	14.1	75.2	9.0	0.1	0.2	0.0	0.0	0.7	8,643
Kuria East	0.3	5.0	85.7	8.5	0.2	0.1	0.1	-	0.2	8,586	0.3	3.6	87.8	7.7	0.1	0.0	0.2	0.0	0.2	4,144

Kisii County	1.0	20.3	69.0	7.8	0.4	0.8	0.1	0.0	0.6	155,419	0.8	16.4	73.7	7.7	0.2	0.5	0.1	0.0	0.5	81,069
Bonchari	0.5	11.4	77.5	9.4	0.2	0.4	0.0	0.0	0.6	15,315	0.4	9.2	80.7	8.7	0.1	0.1	0.0	-	0.6	8,070
South Mugirango	0.4	11.0	79.3	8.5	0.2	0.2	0.1	0.0	0.2	21,319	0.3	9.5	81.0	8.8	0.2	0.1	0.0	-	0.1	10,065
Bomachoge Bonabu	0.6	20.2	69.6	8.3	0.4	0.2	0.2	-	0.6	13,470	0.6	16.9	73.4	8.2	0.2	0.2	0.1	-	0.5	6,796
Bobasi	0.8	20.0	71.5	5.5	0.4	0.5	0.1	0.0	1.3	24,854	1.0	16.3	75.6	5.3	0.3	0.4	0.1	0.0	1.0	13,662
Bomachoge Chache	0.4	19.4	70.6	6.1	0.4	0.5	0.1	0.1	2.4	12,081	0.2	15.9	74.6	6.1	0.2	0.3	0.1	0.1	2.6	6,005
Nyarihai Masaba	1.3	23.2	64.3	10.1	0.3	0.7	0.1	0.1	0.0	16,271	1.1	19.6	68.3	10.5	0.1	0.3	0.0	0.0	0.0	9,183
Nyanhai Chache	2.0	31.6	55.3	8.3	0.4	2.0	0.1	0.1	0.2	18,919	1.2	27.3	61.3	8.3	0.3	1.3	0.1	0.1	0.2	8,976
Kitutu Chache North	0.8	7.1	84.8	6.8	0.2	0.2	0.1	-	0.0	13,427	0.5	4.7	87.8	6.4	0.2	0.1	0.1	0.0	0.0	8,945
Kitutu Chache South	2.0	33.8	53.0	7.9	0.7	2.1	0.0	0.0	0.3	19,763	1.7	27.5	60.3	8.2	0.4	1.7	0.0	0.0	0.2	9,367
Nyamira County	0.8	20.8	70.2	6.8	0.6	0.4	0.1	0.0	0.3	85,702	0.7	18.6	72.5	7.1	0.4	0.2	0.2	0.0	0.3	42,033
Kitutu Masaba West	0.6	20.0	70.8	7.4	0.3	0.4	0.3	0.0	0.1	27,112	0.7	16.5	74.2	7.6	0.3	0.2	0.4	0.0	0.0	15,296
Mugirango	1.3	19.8	70.3	7.7	0.5	0.2	0.0	0.0	0.1	22,549	1.0	17.3	73.2	7.9	0.4	0.1	0.0	-	0.0	11,348
North Mugirango	0.5	10.9	81.4	6.3	0.4	0.2	0.2	0.0	0.1	17,581	0.5	10.7	81.6	6.4	0.3	0.1	0.3	-	0.2	7,653
Borabu	0.8	32.6	58.6	5.1	1.5	0.5	0.0	0.0	0.8	18,460	0.6	32.3	58.9	5.6	0.9	0.3	0.1	0.1	1.2	7,736
Turkana County	0.7	3.9	24.2	3.7	30.8	0.7	28.1	0.6	7.3	67,081	0.4	3.0	22.6	3.7	31.3	0.5	27.2	1.3	10.0	39,473
Turkana North	0.5	1.5	4.9	1.9	32.1	0.7	44.2	2.8	11.4	12,103	0.3	0.6	6.1	2.0	29.3	0.8	38.3	6.4	16.1	7,196
Turkana West	0.9	3.2	14.8	3.4	31.3	1.1	39.4	0.3	5.5	13,666	0.4	2.2	13.4	3.1	33.5	0.8	37.8	0.3	8.5	7,687
Turkana Central	1.7	11.4	22.2	6.0	13.0	1.2	34.3	0.1	10.0	12,369	0.9	8.2	25.2	6.4	14.1	0.8	32.8	0.1	11.5	9,412
Loima	0.1	0.5	15.2	1.7	56.1	0.2	13.8	0.1	12.4	9,246	0.0	0.3	15.9	1.3	55.6	0.2	13.7	0.1	13.0	7,039

Turkana South	0.4	3.1	45.8	5.0	26.8	0.2	16.0	0.2	2.4	11,480	0.4	2.5	49.2	5.3	27.6	0.1	12.9	0.2	1.7	5,392
Turkana East	0.4	1.9	51.1	3.6	32.3	0.4	9.2	0.1	1.1	8,217	0.4	1.1	47.4	3.8	33.7	0.1	12.2	0.1	1.1	2,747
West Pokot County	0.4	5.7	78.4	11.2	3.0	0.3	0.6	0.1	0.3	51,791	0.4	5.2	79.8	10.9	2.9	0.1	0.4	0.0	0.2	27,155
Kapenguria	0.4	13.0	70.7	13.3	1.6	0.6	0.2	0.1	0.3	17,559	0.4	12.6	72.0	13.1	1.4	0.2	0.1	0.0	0.2	9,101
Sigor	0.6	1.4	77.5	9.2	9.1	0.2	1.7	0.0	0.3	10,370	0.8	0.8	77.0	9.0	10.8	0.2	0.9	0.1	0.3	4,470
Kacheliba	0.2	1.4	87.2	6.7	2.6	0.1	0.8	0.1	0.9	9,442	0.1	0.7	90.6	5.0	2.4	0.0	0.6	0.1	0.5	5,896
Pokot South	0.5	2.7	82.7	13.0	0.6	0.3	0.2	0.0	0.1	14,420	0.5	2.6	82.3	14.0	0.4	0.1	0.1	0.0	-	7,688
Samburu County	4.5	3.6	54.4	13.5	8.5	0.8	5.8	2.0	7.0	23,787	2.2	1.8	65.1	11.9	6.4	0.3	4.4	3.2	4.6	21,576
Samburu West	3.7	3.8	64.6	22.7	1.9	0.5	0.4	0.1	2.4	8,837	1.7	1.9	74.3	18.1	1.9	0.2	0.2	0.1	1.6	8,118
Samburu North	4.2	1.5	49.2	7.5	13.6	0.8	10.6	1.4	11.3	8,848	1.2	0.9	62.7	7.6	9.4	0.1	8.6	2.3	7.2	6,976
Samburu East	6.1	6.2	47.0	8.8	10.8	1.2	6.9	5.6	7.5	6,102	4.0	2.5	56.1	8.8	9.0	0.8	5.2	8.2	5.5	6,482
Trans-Nzoia County	1.4	15.9	67.6	12.9	0.7	0.5	0.1	0.1	0.8	117,604	1.4	15.5	68.5	12.7	0.6	0.3	0.1	0.0	0.9	48,993
Kwanza	1.2	12.5	73.5	10.8	0.5	0.4	0.0	0.0	1.0	22,672	1.8	12.2	73.4	10.9	0.3	0.4	0.0	0.0	1.0	9,714
Endebess	1.4	5.3	75.9	13.2	1.7	1.1	0.2	0.1	1.0	13,017	1.1	5.0	75.9	14.2	1.4	0.6	0.4	0.0	1.3	4,488
Saboti	2.5	22.6	54.8	17.0	0.9	0.5	0.1	0.1	1.5	28,605	2.7	20.8	57.3	15.5	1.0	0.4	0.2	0.0	2.2	10,218
Kimintini	1.3	21.7	63.2	12.2	0.6	0.6	0.1	0.0	0.3	26,895	1.2	20.8	64.4	12.5	0.5	0.3	0.0	0.0	0.2	12,446
Cherangany	0.5	11.1	76.7	10.9	0.3	0.2	0.1	0.1	0.3	26,415	0.3	12.1	75.6	11.5	0.2	0.1	0.1	0.0	0.2	12,127
Baringo County	5.2	3.6	50.1	6.3	26.1	6.5	1.4	0.1	0.8	69,621	4.8	3.5	51.6	6.0	25.1	6.4	1.7	0.1	0.8	37,512
Tiaty	2.0	1.4	59.2	3.4	25.3	0.9	6.9	0.1	0.9	12,501	1.1	0.7	62.2	2.8	25.3	0.6	6.4	0.0	0.9	8,651
Baringo North	2.2	2.9	56.0	8.9	26.4	2.7	0.5	0.0	0.2	12,125	1.9	2.6	58.0	8.6	25.0	3.0	0.6	0.1	0.2	6,810

Baringo Central	5.4	9.3	39.3	7.6	34.3	3.6	0.2	0.1	0.3	10,369	5.5	10.1	38.5	7.1	34.2	4.1	0.2	0.0	0.3	5,495
Baringo South	1.6	2.6	47.1	6.3	16.6	25.0	0.3	0.3	0.3	10,976	1.7	2.6	49.8	5.8	14.3	24.5	0.6	0.2	0.4	5,847
Mogotio	6.8	2.7	72.3	5.9	4.3	7.1	0.1	0.0	0.7	7,914	8.3	3.1	66.9	7.9	4.8	8.4	0.1	-	0.6	3,939
Eldama Ravine	11.6	3.1	36.2	5.8	38.8	2.5	0.1	0.1	1.8	15,736	12.7	3.5	34.9	5.5	38.9	2.4	0.2	0.0	2.0	6,770
Uasin Gishu County	5.7	24.8	45.8	12.5	6.8	2.7	0.1	0.1	1.4	141,378	5.9	26.4	45.2	11.9	6.7	2.2	0.1	0.1	1.6	56,691
Soy	1.1	16.2	67.9	13.4	0.6	0.4	0.1	0.0	0.3	21,928	1.1	17.7	66.4	13.7	0.5	0.4	0.0	0.0	0.2	10,152
Turbo	7.7	32.0	41.1	14.8	18	1.8	0.2	0.2	0.5	35,548	8.0	33.1	41.1	14.4	1.4	1.3	0.1	0.1	0.3	14,244
Moiben	5.7	27.7	40.5	14.0	6.9	3.9	0.0	0.1	1.0	24,201	6.2	31.2	37.7	13.3	6.8	3.4	0.0	0.1	1.2	9,437
Ainabkoi	7.0	21.1	39.0	6.4	18.2	3.8	0.3	0.0	4.2	15,607	7.8	24.0	37.4	5.5	17.9	3.0	0.0	0.1	4.2	6,634
Kapserset	6.0	28.5	44.1	14.5	2.8	2.8	0.1	0.1	1.0	25,440	6.2	29.5	43.8	13.6	2.4	3.1	-	0.1	1.4	8,535
Kesses	5.6	15.3	43.4	7.8	19.5	4.8	0.1	0.2	3.4	18,654	5.9	18.2	41.9	6.9	19.4	3.4	0.1	0.2	3.9	7,689
Elgeyo Marakwet County	8.5	6.2	54.5	6.5	21.4	2.1	0.3	0.1	0.6	52,320	11.3	6.8	53.2	7.2	18.6	1.9	0.3	0.1	0.6	23,429
Marakwet East	25.5	1.5	56.2	9.1	4.9	0.2	0.4	0.2	1.8	11,697	32.6	1.3	51.0	10.4	2.3	0.1	0.7	0.1	1.5	5,951
Marakwet West	6.7	7.0	68.5	9.4	7.9	0.2	0.1	0.1	0.1	14,655	8.7	8.9	64.1	10.1	7.8	0.1	0.2	-	0.1	6,313
Keiyo North	2.4	13.4	48.8	4.0	26.6	4.4	0.4	0.1	0.1	10,644	1.8	15.7	50.1	4.0	24.1	4.0	0.2	0.1	0.1	4,582
Keiyo South	1.5	4.1	43.7	3.3	43.2	3.6	0.3	0.0	0.4	15,324	1.4	3.5	47.0	3.8	39.8	3.8	0.2	0.0	0.4	6,583
Nandi County	1.3	15.1	63.3	14.3	3.7	1.0	0.1	0.0	1.3	108,390	1.3	14.6	64.1	15.0	3.2	0.8	0.0	0.0	1.0	42,105
Tinderet	1.7	13.1	62.4	11.5	8.2	1.5	0.1	0.0	1.5	14,586	1.8	11.1	64.5	11.1	8.8	1.5	0.1	0.0	1.1	4,505
Aldai	0.3	7.9	75.3	14.9	0.7	0.5	0.1	0.0	0.5	20,571	0.4	9.0	74.1	14.9	0.6	0.4	0.0	0.0	0.6	8,213
Nandi Hills	2.6	28.9	40.8	11.3	10.5	2.3	0.0	0.0	3.5	18,334	2.9	25.2	43.6	11.4	11.2	2.6	0.0	0.1	3.2	5,681

Chestumei	1.7	17.7	628	152	1.4	0.6	0.1	0.0	0.5	18,003	1.7	18.8	62.0	15.5	1.0	0.4	0.1	0.0	0.4	8,006
Engwen	1.1	16.9	61.0	16.2	2.6	0.9	0.0	0.0	1.1	18,962	1.1	17.5	60.5	17.2	1.9	0.8	0.0	0.0	1.0	7,917
Mosop	0.4	6.4	76.2	15.9	0.3	0.1	0.0	0.0	0.6	17,934	0.3	7.5	74.0	17.1	0.3	0.1	0.1	0.0	0.6	7,783
Laikipia County	15.5	3.2	275	3.1	45.9	3.1	0.4	0.1	1.1	62,287	13.7	2.4	34.0	3.2	43.1	2.1	0.5	0.1	0.8	34,825
Laikipia West	14.8	2.9	295	2.1	47.5	1.9	0.1	0.1	0.9	30,852	14.2	2.4	33.4	2.4	44.7	1.7	0.1	0.1	0.9	17,108
Laikipia East	21.3	3.1	102	2.4	58.2	4.1	0.1	0.1	0.5	20,397	20.2	2.6	11.2	2.7	59.3	3.4	0.1	0.1	0.3	10,613
Laikipia North	6.7	4.1	538	7.4	18.9	4.9	1.4	0.1	2.6	11,038	2.9	2.0	69.6	6.0	15.0	1.0	2.2	0.1	1.3	7,104
Nakuru County	33.3	5.9	329	10.9	13.2	2.9	0.1	0.1	0.7	275,541	32.0	5.1	35.5	9.3	14.0	2.9	0.1	0.1	0.9	126,104
Molo	17.4	4.0	322	2.3	42.2	1.5	0.0	0.0	0.4	20,787	16.9	3.3	31.8	2.4	43.6	1.4	0.0	0.1	0.5	9,120
Njoro	14.8	2.2	637	7.7	10.5	0.9	0.1	0.0	0.1	27,929	13.4	2.1	64.3	8.0	11.1	1.0	0.0	0.0	0.0	14,393
Naivasha	49.9	9.2	148	5.2	11.8	7.1	0.3	0.4	1.4	45,578	46.9	8.1	16.3	5.2	14.7	7.3	0.2	0.3	1.1	21,699
Gilgil	30.6	4.0	355	8.7	10.8	7.4	0.1	0.2	2.7	23,830	27.8	3.7	38.2	8.9	10.7	7.1	0.0	0.1	3.5	12,469
Kuresoi South	2.7	1.4	580	7.2	29.6	0.3	0.4	0.1	0.2	15,965	3.2	1.6	58.7	6.6	29.0	0.3	0.2	0.0	0.3	6,975
Kuresoi North	3.7	1.9	64.0	5.7	22.4	1.1	0.2	0.1	0.9	17,798	3.5	1.6	64.3	6.0	22.1	0.9	0.1	0.1	1.4	8,250
Subukia	20.0	1.8	450	5.1	23.5	3.3	0.1	0.1	1.1	13,729	18.4	1.6	46.1	5.2	23.8	3.6	0.0	0.1	1.1	8,031
Rongai	24.1	8.0	44.5	11.5	7.4	3.7	0.1	0.1	0.7	20,986	23.0	7.3	48.0	12.3	5.5	2.8	0.1	0.1	1.0	9,846
Bahati	44.2	3.7	35.0	7.8	7.4	1.3	0.0	0.1	0.5	23,855	41.7	3.5	37.1	8.0	7.9	1.3	0.0	0.1	0.5	11,087
Nakuru Town West	41.9	10.4	9.7	35.3	1.8	0.8	0.0	0.1	0.1	34,488	47.1	9.6	10.9	29.9	1.6	0.6	0.0	0.1	0.2	10,649
Nakuru Town East	65.4	8.6	9.9	12.2	2.4	1.2	0.0	0.1	0.0	30,596	69.2	8.3	8.7	11.1	1.9	0.6	0.0	0.1	0.0	13,585

Narok County	6.1	4.1	66.1	6.9	10.8	3.3	0.9	0.4	1.5	107,586	4.7	3.3	72.8	6.7	7.9	2.2	0.6	0.3	1.5	56,237
Kilgoris	0.9	9.7	74.0	10.8	1.7	1.2	0.6	0.2	0.8	21,420	0.5	8.6	76.0	12.0	1.0	0.9	0.3	0.0	0.7	10,285
Emuna Dikirr	0.1	0.8	83.3	12.0	3.0	0.1	0.6	-	0.0	11,447	0.1	0.6	83.7	11.7	3.2	0.1	0.5	-	0.1	4,900
Narok North	17.7	3.0	43.8	3.3	23.2	5.8	1.0	0.6	1.6	26,091	16.1	2.8	52.2	3.4	18.7	3.8	0.5	0.7	1.9	11,563
Narok East	6.9	2.1	47.2	4.9	23.9	8.9	2.5	1.1	2.6	11,150	5.7	1.8	57.2	5.6	17.8	7.0	1.9	1.0	2.1	6,155
Narok South	1.6	1.9	81.3	4.3	7.4	1.6	0.3	0.2	1.4	21,687	1.1	1.5	84.7	3.8	5.2	1.2	0.1	0.2	2.2	12,184
Narok West	4.1	4.8	71.9	9.0	3.9	2.5	1.1	0.2	2.4	15,791	2.2	2.6	82.2	6.6	2.6	1.1	1.0	0.2	1.5	11,150
Kajiado County	30.0	7.8	18.0	2.9	8.2	29.5	1.7	0.5	1.3	116,882	22.5	6.8	32.8	4.2	8.1	20.2	2.8	0.5	2.1	53,247
Kajiado North	51.6	4.8	1.6	0.8	4.1	36.2	0.0	0.2	0.7	43,060	54.8	5.1	1.7	0.9	4.1	32.5	0.0	0.2	0.7	13,618
Kajiado Central	15.6	13.2	39.8	8.7	1.2	16.1	2.8	0.2	2.4	12,749	8.8	7.8	55.9	9.3	1.0	9.1	4.0	0.3	3.8	9,649
Kajiado East	29.8	13.7	10.4	2.4	1.8	40.5	0.3	0.6	0.4	26,610	26.0	15.6	21.5	3.2	1.0	31.4	0.5	0.6	0.3	10,079
Kajiado West	15.3	6.3	30.4	3.7	4.5	30.5	5.5	0.4	3.4	15,913	8.9	3.0	47.6	4.6	3.2	19.0	9.2	0.4	4.3	9,319
Kajiado South	2.7	4.0	41.4	3.9	35.0	6.5	3.6	1.1	1.8	18,550	2.0	3.3	49.5	4.5	30.8	5.1	1.8	1.1	2.0	10,582
Kericho County	8.6	12.2	53.1	8.1	11.7	5.2	0.1	0.1	0.9	112,374	8.6	11.5	53.7	8.2	12.0	4.9	0.1	0.1	0.9	41,758
Kipkelion East	9.8	10.8	49.0	4.2	24.8	1.0	0.0	0.2	0.1	15,338	9.3	7.9	52.4	4.6	24.4	1.0	0.0	0.3	0.2	7,182
Kipkelion West	1.1	2.2	61.2	8.6	20.8	4.4	0.1	0.1	1.5	13,474	1.3	2.4	62.1	8.2	20.7	3.7	0.1	0.1	1.4	5,390
Ainamoi	14.5	13.8	33.9	6.6	14.2	16.2	0.1	0.1	0.5	23,828	15.5	12.5	37.4	7.3	11.4	15.2	0.1	0.1	0.4	8,439
Bureti	2.8	10.2	66.8	9.3	8.3	1.7	0.0	0.0	0.6	23,043	3.3	11.8	62.9	9.4	9.6	2.2	0.1	0.0	0.7	8,517
Belat	16.5	21.2	43.2	8.8	5.1	2.8	0.0	0.1	2.4	21,885	16.7	20.7	42.9	9.4	4.4	3.4	0.0	0.1	2.4	6,710
Sigowet/Soin	2.1	9.8	74.0	10.9	1.1	1.6	0.1	0.0	0.4	14,806	2.4	12.2	71.3	11.3	1.2	1.3	0.2	0.0	0.3	5,520

	Bomet County	5.1	9.9	62.8	6.8	13.1	0.6	0.1	0.0	1.6	98,022	4.0	7.3	67.4	7.4	11.7	0.5	0.1	0.1	1.6	43,197
Sotik	3.1	10.3	68.5	6.4	8.9	0.7	0.1	0.0	2.1	21,807	2.7	8.6	70.6	7.1	7.8	0.5	0.1	0.0	2.7	10,071	
Chepalungu	0.7	1.6	81.7	9.0	6.7	0.2	0.0	0.0	0.1	19,133	0.5	1.5	81.8	9.2	6.8	0.1	0.0	0.0	0.0	10,961	
Bomet East	2.3	2.5	79.8	6.1	7.9	0.4	0.2	0.0	0.8	15,693	2.2	3.2	79.1	6.4	7.5	0.5	0.2	0.0	0.8	8,204	
Bomet Central	6.0	4.4	56.9	7.0	24.5	0.6	0.3	0.1	0.4	17,140	6.5	5.3	57.8	6.6	22.6	0.6	0.2	0.1	0.3	6,432	
Konoin	11.5	24.7	35.8	5.9	17.2	0.9	0.0	0.1	4.0	24,249	10.4	20.3	37.3	6.9	19.5	1.1	0.0	0.2	4.2	7,529	
Kakamega County	0.8	13.5	74.4	10.3	0.2	0.3	0.1	0.0	0.4	228,905	0.7	13.4	75.0	10.2	0.2	0.1	0.1	0.0	0.4	120,830	
Lugari	0.5	11.2	78.1	9.6	0.3	0.1	0.1	0.1	0.1	22,331	0.5	12.9	76.1	10.2	0.2	0.1	0.1	0.0	0.0	10,920	
Likuyani	0.9	17.6	71.6	9.2	0.2	0.2	0.1	0.0	0.1	16,819	0.8	17.8	72.1	8.9	0.1	0.2	0.0	0.0	0.2	8,871	
Malaya	0.4	8.1	77.1	14.0	0.2	0.1	0.1	0.0	0.0	28,043	0.5	10.6	74.6	13.9	0.2	0.0	0.0	0.0	0.1	12,010	
Lurambi	1.7	30.7	52.0	13.8	0.2	1.1	0.1	0.0	0.4	25,444	1.6	32.3	51.5	13.3	0.1	0.8	0.0	0.0	0.3	10,753	
Navarholo	0.2	6.4	86.2	6.4	0.2	0.0	0.1	-	0.4	17,696	0.3	7.9	84.6	6.4	0.1	0.1	0.0	0.5	9,411		
Mumias West	1.5	25.5	58.1	12.7	0.2	1.5	0.0	0.1	0.3	17,209	1.0	21.5	63.2	13.9	0.1	0.1	0.0	0.2	8,706		
Mumias East	0.8	10.7	77.3	10.7	0.3	0.0	0.1	-	-	13,865	0.9	13.0	75.3	10.5	0.2	0.0	0.1	-	0.0	7,283	
Matungu	0.7	10.1	79.5	8.9	0.2	0.2	0.1	-	0.3	20,053	1.0	10.9	77.7	9.9	0.2	0.0	0.1	0.0	0.1	10,433	
Butere	0.9	8.9	78.8	10.0	0.2	0.1	0.1	0.0	0.8	19,365	0.9	9.8	77.2	10.9	0.2	0.1	0.1	-	0.8	11,114	
Khwiserero	0.6	8.1	82.2	7.1	0.1	0.1	0.1	0.0	1.7	13,476	0.4	7.4	83.2	7.1	0.1	0.1	0.0	-	1.7	9,749	
Shinyalu	0.3	10.9	76.7	11.1	0.3	0.1	0.1	0.0	0.5	21,274	0.4	10.2	78.0	10.7	0.2	0.0	0.1	0.0	0.5	12,281	
Ikolomani	0.5	8.6	85.8	4.8	0.1	0.1	0.1	0.0	0.0	13,330	0.4	8.0	86.4	5.1	0.1	0.0	0.0	0.0	0.0	9,299	
Vihiga County	0.8	16.1	72.5	10.0	0.1	0.1	0.0	0.0	0.3	71,763	0.7	13.7	75.1	10.0	0.1	0.1	0.0	0.3	48,653		

Vihiga	0.7	19.2	65.2	13.5	0.1	0.0	0.0	1.1	11,899	0.8	15.8	67.6	14.5	0.1	0.0	-	0.0	1.2	8,244	
Sabatia	0.8	18.4	73.8	6.6	0.1	0.2	0.0	0.0	0.0	15,919	0.6	15.6	77.1	6.5	0.1	0.0	0.0	0.0	0.0	11,356
Hamisi	0.8	15.5	75.0	8.4	0.2	0.1	0.0	0.0	18,702	0.7	14.0	77.0	8.1	0.2	0.0	0.0	0.0	0.0	0.0	12,022
Luanda	1.0	16.0	68.5	13.7	0.1	0.3	0.0	0.0	0.3	13,708	0.9	13.9	70.5	14.1	0.1	0.2	0.0	0.0	0.2	8,538
Emuhaya	0.5	10.6	79.3	9.4	0.1	0.1	0.0	0.0	0.0	11,535	0.5	8.5	81.7	9.0	0.2	0.1	0.0	-	-	8,493
Bungoma County	1.5	14.0	70.5	12.5	0.4	0.2	0.1	0.0	0.9	180,444	1.5	15.0	69.5	12.6	0.3	0.1	0.1	0.0	0.8	80,184
Mt Elgon	2.3	7.0	75.6	10.8	1.9	0.6	0.2	0.1	1.5	22,350	2.3	8.4	74.6	11.1	1.8	0.3	0.1	0.0	1.3	9,237
Sisilia	2.3	13.8	71.4	10.4	0.2	0.1	0.1	0.0	1.8	13,800	2.6	15.4	68.6	11.2	0.1	0.0	0.2	-	2.0	6,019
Kabuchai	1.1	9.5	74.1	13.3	0.2	0.1	0.0	0.0	1.6	18,969	1.0	11.0	72.4	13.4	0.1	0.1	0.1	-	1.9	8,291
Bumula	0.6	6.4	77.5	15.0	0.2	0.1	0.1	0.0	0.1	23,542	0.7	7.9	75.8	15.0	0.1	0.0	0.1	0.0	0.2	10,738
Kanduyi	1.4	24.8	55.9	16.8	0.2	0.3	0.1	0.0	0.6	32,521	1.4	26.8	53.7	17.0	0.1	0.2	0.1	0.1	0.7	13,538
Webuye East	3.5	16.7	69.5	10.1	0.1	0.1	0.0	0.0	0.1	13,141	3.1	17.2	69.1	10.5	0.0	0.1	0.1	-	0.1	5,876
Webuye West	1.4	17.1	69.0	9.8	0.1	0.2	0.0	0.0	0.2	16,933	1.6	18.4	68.0	9.7	0.1	0.1	0.0	-	2.0	7,191
Kimilili	1.4	14.0	73.8	10.4	0.2	0.1	0.0	0.0	0.1	16,701	1.4	14.2	73.8	10.1	0.2	0.0	0.1	-	0.1	7,753
Tongaren	0.6	13.1	74.9	11.1	0.1	0.0	0.0	0.0	0.1	22,487	0.7	12.8	75.0	11.3	0.1	0.0	0.0	-	0.1	11,541
Busia County	1.7	16.5	68.5	10.3	0.2	0.3	0.4	0.1	2.0	91,813	1.8	15.8	68.8	10.7	0.2	0.2	0.1	2.2	56,097	
Teso North	1.0	23.8	67.0	7.5	0.3	0.1	0.0	0.1	15,666	1.0	28.7	62.0	7.7	0.3	0.2	0.0	0.0	0.1	7,251	
Teso South	0.5	14.9	71.7	11.7	0.2	0.4	0.2	-	0.4	16,101	0.5	16.1	71.4	11.0	0.2	0.2	0.2	-	0.3	8,350
Nambale	0.4	15.4	73.2	9.1	0.2	0.1	0.4	0.0	1.0	12,012	0.6	16.6	72.4	8.7	0.3	0.2	0.4	0.1	0.8	6,660
Matayos	2.7	26.8	60.1	9.2	0.2	0.5	0.3	0.0	0.1	14,853	2.6	23.3	64.0	9.2	0.2	0.4	0.2	0.1	0.1	8,425

Butula	2.0	9.9	77.5	9.3	0.2	0.1	0.1	0.0	0.9	13,820	1.8	9.4	77.9	9.8	0.2	0.1	0.1	0.0	0.7	11,328
Funyula	2.9	10.9	62.3	9.5	0.2	0.3	0.1	0.4	13.5	10,621	2.9	11.4	60.9	10.9	0.1	0.1	0.0	0.3	13.4	7,790
Budalangi	3.4	7.8	66.3	19.2	0.2	0.8	1.9	0.0	0.4	8,740	3.1	6.6	69.1	19.4	0.1	0.3	1.1	-	0.3	6,293

Annex Table 22: Main material of the roof of the main dwelling unit by county and constituency

County/constituency/wards	Corrugated iron sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/dung	Other	Households
Kenya	73.5	2.2	3.6	2.2	13.3	3.2	0.3	0.8	1.0	8,493,380
Rural	70.3	0.7	0.2	1.8	20.2	4.2	0.2	1.2	1.1	5,239,879
Urban	78.5	4.6	9.1	2.9	2.1	1.5	0.3	0.1	0.9	3,253,501
Nairobi County	65.3	9.6	21.1	3.1	0.0	0.1	0.4	0.0	0.3	968,477
Westlands	67.8	19.3	10.4	1.9	0.0	0.1	0.1	0.0	0.3	55,568
Dagoreti North	63.6	22.1	10.5	2.9	0.0	0.1	0.5	0.0	0.2	56,709
Dagoreti South	90.3	3.4	3.6	2.3	0.0	0.1	0.1	0.0	0.2	55,562
Langata	55.0	26.7	14.2	2.9	0.1	0.2	0.6	0.1	0.3	52,656
Kibra	83.6	7.6	3.8	4.0	0.0	0.0	0.5	0.1	0.4	63,093
Roysambu	55.2	7.1	33.1	3.9	0.0	0.0	0.5	0.0	0.1	57,677
Kasarani	67.2	6.9	22.8	2.1	0.0	0.1	0.1	0.1	0.7	49,825
Ruaraka	61.4	3.0	32.8	1.7	0.0	0.1	0.9	0.0	0.1	60,347
Embakasi South	71.6	3.1	23.5	0.8	0.0	0.1	0.6	0.0	0.2	74,703
Embakasi North	74.2	1.0	21.3	2.8	0.0	0.0	0.4	0.0	0.2	60,186
Embakasi Central	51.4	8.0	37.9	2.3	0.0	0.0	0.1	0.0	0.3	57,762
Embakasi East	58.1	13.3	24.3	2.4	0.0	0.0	1.4	0.0	0.5	48,931
Embakasi West	44.4	4.1	42.6	8.1	0.0	0.0	0.2	0.0	0.5	44,912
Makadara	54.6	24.0	12.9	8.0	0.0	0.1	0.1	0.0	0.3	58,834
Kamukunji	64.6	4.5	27.5	2.3	0.0	0.1	0.3	0.0	0.8	58,896
Starehe	66.9	13.7	16.4	2.1	0.0	0.1	0.4	0.0	0.4	49,636
Mathare	70.8	0.9	24.2	3.2	0.0	0.1	0.6	0.0	0.2	63,180
Nyandarua County	95.0	0.6	0.2	2.0	0.8	0.1	0.1	0.0	1.2	140,745
Kinangop	96.3	0.6	0.4	2.0	0.4	0.0	0.0	0.0	0.2	44,537
Kipipiri	94.6	0.5	0.1	2.4	1.3	0.1	0.0	0.0	0.9	21,804
Ol Kalou	95.1	0.6	0.1	1.7	0.8	0.0	0.1	0.0	1.6	26,880
Ol Jorok	95.5	0.6	0.0	1.6	0.5	0.1	0.1	0.0	1.7	24,144
Ndaragwa	92.4	0.7	0.1	2.5	1.4	0.1	0.1	0.0	2.8	23,380
Nyeri County	94.4	1.2	1.2	2.2	0.4	0.1	0.2	0.0	0.3	199,476
Tetu	94.8	0.9	0.3	3.6	0.0	0.0	0.2	0.0	0.1	21,428
Kieni	95.5	0.7	0.2	1.7	1.5	0.2	0.1	0.0	0.2	50,898
Mathira	94.3	1.3	1.7	1.8	0.2	0.1	0.1	0.0	0.4	43,437
Othaya	96.7	0.8	0.6	1.5	0.0	0.0	0.4	0.1	0.0	23,907
Mukurwe-Ini	95.9	0.7	1.0	1.8	0.0	0.0	0.4	0.0	0.0	23,850
Nyeri Town	90.5	2.4	3.0	3.3	0.1	0.1	0.2	0.0	0.6	35,956
Kirinyaga County	95.0	0.7	0.8	2.6	0.5	0.0	0.1	0.0	0.3	152,646
Mwea	92.3	0.5	0.8	4.5	1.3	0.0	0.0	0.0	0.5	55,098
Gichugu	97.1	0.7	0.2	1.6	0.0	0.0	0.1	0.0	0.1	35,870
Ndia	96.0	1.0	1.3	1.3	0.1	0.0	0.0	0.0	0.2	29,233
Kirinyaga Central	96.1	1.0	1.2	1.5	0.0	0.0	0.0	0.0	0.1	32,445
Muranga County	94.2	1.2	1.7	1.7	0.3	0.0	0.6	0.0	0.2	252,176
Kangema	96.0	1.0	1.0	1.0	0.0	0.1	0.5	0.0	0.4	21,719
Mathioya	95.9	1.4	0.6	0.8	0.1	0.0	1.0	0.0	0.0	24,489
Kiharu	91.9	1.1	4.1	2.3	0.1	0.0	0.3	0.0	0.1	50,751
Kigumo	94.3	1.1	2.0	1.4	0.0	0.0	1.0	0.0	0.1	32,872
Maragua	93.8	1.2	1.5	2.7	0.5	0.1	0.1	0.0	0.1	39,638

Kandara	95.8	1.0	0.9	1.2	0.0	0.0	0.9	0.1	0.1	40,704
Gatanga	93.9	1.5	0.4	1.8	1.0	0.1	0.5	0.0	0.9	42,003
Kiambu County	87.7	3.2	6.7	1.8	0.1	0.1	0.2	0.0	0.1	456,310
Gatundu South	96.0	1.5	1.5	0.6	0.0	0.0	0.3	0.0	0.0	29,618
Gatundu North	96.3	1.4	0.9	0.8	0.0	0.0	0.2	0.0	0.4	24,960
Juja	87.8	3.4	5.6	2.6	0.2	0.1	0.2	0.0	0.2	36,805
Thika Town	84.4	5.3	6.8	2.9	0.3	0.1	0.1	0.0	0.1	51,421
Ruiru	72.7	4.3	20.5	2.0	0.1	0.1	0.1	0.1	0.2	63,701
Githunguri	92.8	2.0	2.6	2.1	0.0	0.4	0.1	0.0	0.1	38,845
Kiambu	84.6	3.9	8.2	2.5	0.2	0.1	0.4	0.0	0.2	31,187
Kiambaa	91.7	2.7	3.9	1.4	0.0	0.1	0.2	0.0	0.1	41,543
Kabete	91.2	2.8	4.6	1.0	0.0	0.1	0.1	0.0	0.1	40,275
Kikuyu	84.8	4.8	8.1	2.2	0.0	0.0	0.0	0.0	0.1	35,459
Limuru	91.1	3.0	4.0	1.1	0.0	0.1	0.4	0.0	0.3	32,228
Lari	96.4	1.6	0.8	1.0	0.1	0.0	0.0	0.0	0.1	30,268
Mombasa County	75.0	3.4	9.2	3.1	0.1	4.3	0.4	0.1	4.4	265,997
Changamwe	74.8	1.5	5.4	4.7	0.0	1.3	0.6	0.2	11.4	41,861
Jomvu	79.1	1.3	6.5	1.3	0.1	4.4	0.4	0.1	6.7	34,831
Kisauni	79.5	2.5	3.9	4.8	0.1	7.1	0.7	0.1	1.2	52,182
Nyali	80.2	5.2	5.3	2.5	0.1	4.7	0.4	0.1	1.5	54,570
Likoni	82.8	1.1	1.7	2.8	0.1	5.7	0.0	0.0	5.7	49,702
Mvita	43.2	9.8	43.1	1.7	0.0	0.3	0.3	0.4	1.1	32,851
Kwale County	36.9	0.6	0.2	1.8	10.0	49.8	0.2	0.0	0.5	119,372
Msabweni	48.4	1.0	0.6	2.2	0.8	46.2	0.0	0.0	0.8	32,121
Lunga Lunga	24.8	0.4	0.1	1.4	14.6	58.1	0.3	0.0	0.4	26,680
Matuga	32.2	0.5	0.1	1.3	2.5	62.4	0.4	0.0	0.5	27,745
Kinango	39.4	0.3	0.0	2.2	21.7	35.9	0.2	0.0	0.2	32,826
Kilifi County	41.7	1.0	1.7	2.5	7.4	44.5	0.2	0.0	1.1	190,729
Kilifi North	37.6	1.1	0.6	2.0	0.4	54.8	0.1	0.0	3.4	35,618
Kilifi South	47.0	2.0	1.9	2.4	1.1	44.6	0.1	0.0	0.9	35,808
Kaloleni	51.1	0.8	0.6	1.5	5.9	39.5	0.3	0.0	0.1	24,455
Rabai	42.6	0.4	0.2	1.4	0.4	53.7	0.1	0.0	1.2	15,879
Ganze	23.7	0.2	0.0	1.3	28.3	45.9	0.1	0.0	0.4	19,838
Malindi	53.9	0.7	5.6	4.9	2.1	32.0	0.2	0.1	0.5	33,182
Magarini	28.7	0.7	0.9	2.7	22.1	44.1	0.3	0.1	0.4	25,949
Tana River County	25.9	0.4	0.0	1.3	56.6	14.2	0.1	0.0	1.5	45,227
Garsen	17.7	0.6	0.1	0.6	56.6	22.4	0.2	0.0	1.8	17,972
Galole	35.2	0.2	0.0	2.6	52.3	8.7	0.0	0.1	1.0	11,324
Bura	28.5	0.3	0.0	1.2	59.8	8.7	0.1	0.0	1.4	15,931
Lamu County	31.5	0.3	11.2	3.0	16.4	34.0	0.4	0.1	3.1	21,058
Lamu East	6.5	0.1	6.9	2.1	7.5	72.3	0.5	0.1	3.9	3,522
Lamu West	36.5	0.4	12.0	3.2	18.2	26.4	0.3	0.1	2.9	17,536
Taita-Taveta County	84.8	1.2	0.4	2.9	6.6	1.5	0.7	0.1	1.7	70,283
Taveta	74.3	0.6	0.1	3.0	15.6	4.2	0.3	0.3	1.6	16,115
Wundanyi	89.8	1.6	0.3	2.4	2.7	1.0	1.2	0.0	0.7	14,426
Mwatate	87.3	0.9	0.1	3.6	2.6	0.7	1.5	0.0	3.3	17,935
Voi	87.2	1.8	0.9	2.6	5.7	0.4	0.1	0.1	1.1	21,807
Marsabit County	28.0	0.2	0.1	1.1	24.0	10.9	1.5	0.8	33.5	53,599

Moyale	44.8	0.2	0.1	1.3	47.7	0.9	0.0	1.2	3.8	15,693
North Horr	7.2	0.1	0.0	0.3	11.4	4.6	3.4	0.1	72.9	15,131
Saku	61.5	0.6	0.1	3.1	25.7	1.3	1.4	1.0	5.4	9,482
Laisamis	7.8	0.1	0.0	0.3	9.3	36.5	1.1	1.1	43.8	13,293
Isiolo County	60.6	0.7	0.3	1.5	20.8	5.9	1.8	3.4	5.1	30,877
Isiolo North	66.3	0.6	0.4	2.0	12.4	4.3	2.5	4.7	6.8	22,149
Isiolo South	46.2	0.8	0.0	0.1	42.0	9.8	0.1	0.1	1.0	8,728
Meru County	92.9	0.8	0.3	3.1	2.1	0.3	0.1	0.1	0.2	311,265
Igembe South	93.3	0.7	0.1	2.9	2.2	0.4	0.1	0.3	0.1	29,729
Igembe Central	92.8	0.7	0.0	2.8	2.8	0.2	0.2	0.1	0.2	38,395
Igembe North	88.8	0.6	0.1	6.9	2.7	0.4	0.3	0.3	0.1	29,148
Tigania West	91.2	0.7	0.0	3.6	3.6	0.3	0.3	0.1	0.1	28,132
Tigania East	88.7	0.8	0.1	3.2	5.8	0.8	0.2	0.1	0.2	30,892
North Imenti	92.9	1.5	1.5	3.7	0.2	0.0	0.1	0.0	0.1	40,314
Buuri	93.2	0.5	0.1	3.1	1.5	0.8	0.1	0.1	0.7	38,826
Central Imenti	97.2	0.6	0.0	0.8	1.1	0.1	0.0	0.0	0.1	29,562
South Imenti	96.1	0.7	0.2	1.8	0.7	0.1	0.0	0.1	0.4	46,267
Tharaka Nithi County	87.7	0.7	0.3	1.9	9.0	0.2	0.1	0.0	0.1	86,790
Maara	94.4	0.8	0.2	0.8	3.6	0.1	0.0	0.0	0.1	27,674
Chuka/Igambangombe	89.3	0.8	0.5	1.9	6.9	0.2	0.2	0.1	0.1	32,892
Tharaka	78.4	0.6	0.0	3.1	17.4	0.2	0.1	0.0	0.1	26,224
Embu County	92.2	1.0	0.5	2.3	3.3	0.1	0.1	0.0	0.4	128,079
Manyatta	94.3	1.6	1.2	2.0	0.1	0.1	0.0	0.0	0.5	40,830
Runyenjes	95.5	0.7	0.1	2.1	0.5	0.1	0.3	0.1	0.8	36,510
Mbeere South	87.0	0.8	0.2	3.2	8.3	0.3	0.1	0.0	0.1	29,929
Mbeere North	89.9	0.6	0.1	1.7	7.5	0.1	0.0	0.0	0.0	20,810
Kitui County	76.3	1.1	0.1	1.6	20.1	0.4	0.1	0.1	0.2	201,692
Mwingi North	55.7	0.8	0.1	1.7	41.2	0.2	0.1	0.1	0.2	25,778
Mwingi West	94.2	0.9	0.3	0.8	3.6	0.0	0.1	0.0	0.1	26,387
Mwingi Central	73.5	1.1	0.2	1.9	22.7	0.1	0.1	0.0	0.4	24,228
Kitui West	87.8	1.9	0.1	1.5	8.4	0.1	0.2	0.0	0.0	21,979
Kitui Rural	79.9	1.2	0.1	3.2	15.1	0.2	0.2	0.1	0.1	21,132
Kitui Central	87.6	1.4	0.2	1.7	8.6	0.1	0.2	0.1	0.0	28,415
Kitui East	67.0	0.8	0.1	1.5	29.4	0.8	0.3	0.0	0.2	23,551
Kitui South	66.1	0.9	0.1	1.3	30.0	1.2	0.1	0.1	0.4	30,222
Machakos County	88.9	1.6	3.1	1.6	4.5	0.1	0.1	0.0	0.2	260,780
Masinga	82.3	0.7	0.0	0.5	16.2	0.1	0.0	0.0	0.0	26,892
Yatta	89.4	0.7	0.5	0.8	8.2	0.2	0.1	0.0	0.1	32,655
Kangundo	95.7	0.7	0.2	2.0	1.0	0.1	0.2	0.0	0.1	21,841
Matungulu	92.0	0.8	0.6	1.8	4.5	0.3	0.1	0.0	0.0	28,183
Kathiani	96.1	1.0	0.3	1.5	0.9	0.1	0.1	0.0	0.0	23,163
Mavoko	75.2	4.7	15.4	2.5	1.1	0.1	0.2	0.2	0.6	44,156
Machakos Town	93.2	1.6	1.4	2.4	1.2	0.0	0.1	0.0	0.1	48,438
Mwala	93.0	0.8	0.1	0.4	5.3	0.1	0.1	0.0	0.2	35,452
Makueni County	86.6	0.8	0.1	1.2	11.0	0.2	0.1	0.0	0.1	184,494
Mbooni	91.5	0.6	0.0	1.4	6.1	0.1	0.1	0.0	0.1	38,236
Kilome	87.2	0.6	0.3	1.5	9.8	0.2	0.1	0.0	0.2	19,453
Kaiti	92.7	0.7	0.2	1.0	5.1	0.1	0.1	0.0	0.0	24,726

Makueni	79.6	0.7	0.1	0.7	18.6	0.0	0.0	0.0	0.1	38,720
Kibwezi West	86.6	0.8	0.2	0.8	11.2	0.3	0.1	0.0	0.1	36,028
Kibwezi East	83.4	1.1	0.2	1.9	12.9	0.4	0.0	0.1	0.1	27,331
Garissa County	29.8	0.8	0.1	1.5	61.3	5.3	0.2	0.4	0.7	69,369
Garissa Township	75.4	1.6	0.4	3.5	11.2	5.3	0.2	0.8	1.8	19,858
Balambala	3.2	0.6	0.1	0.3	80.1	15.3	0.1	0.1	0.1	10,666
Lagdera	7.9	0.2	0.0	0.2	86.4	4.9	0.1	0.2	0.0	11,674
Dadaab	13.9	0.6	0.1	1.2	79.8	3.0	0.4	0.7	0.4	9,244
Fafi	9.4	0.4	0.0	0.8	87.2	1.7	0.1	0.1	0.3	6,085
Ijara	21.7	0.4	0.1	0.8	76.0	0.5	0.1	0.1	0.4	11,842
Wajir County	10.0	0.3	0.1	0.5	86.4	2.1	0.1	0.2	0.3	77,040
Wajir North	10.7	0.2	0.0	0.2	86.6	1.5	0.1	0.2	0.5	14,010
Wajir East	23.0	0.6	0.4	0.4	74.8	0.4	0.1	0.0	0.2	15,804
Tarbj	0.9	0.2	0.0	0.1	98.3	0.3	0.1	0.0	0.1	10,366
Wajir West	4.3	0.2	0.0	0.2	90.2	4.4	0.1	0.1	0.4	11,879
Eldas	1.8	0.2	0.1	0.8	88.0	8.4	0.3	0.0	0.3	9,187
Wajir South	11.3	0.3	0.0	0.9	86.2	0.3	0.1	0.5	0.4	15,794
Mandera County	11.5	0.5	0.1	0.4	62.1	24.2	0.1	0.2	0.8	120,077
Mandera West	14.9	0.3	0.1	0.1	83.2	0.8	0.1	0.4	0.1	17,422
Banissa	8.3	0.3	0.0	1.0	75.4	14.6	0.1	0.2	0.1	18,876
Mandera North	5.5	1.8	0.1	0.6	54.1	36.4	0.1	0.3	1.0	20,170
Mandera South	11.6	0.2	0.1	0.2	86.2	1.3	0.1	0.1	0.1	28,904
Mandera East	30.1	0.3	0.3	0.8	26.5	41.0	0.1	0.3	0.7	16,893
Lafey	0.5	0.1	0.1	0.0	30.9	65.0	0.1	0.0	3.3	17,812
Siaya County	65.7	0.6	0.1	0.9	32.1	0.1	0.2	0.0	0.2	195,408
Ugenya	52.8	0.6	0.0	0.7	45.5	0.1	0.3	0.0	0.0	25,590
Ugunja	61.4	0.6	0.1	0.5	37.0	0.2	0.0	0.0	0.1	21,957
Alego Usonga	61.0	0.6	0.2	1.4	36.6	0.1	0.0	0.1	0.0	44,457
Gem	65.4	0.6	0.1	1.0	32.3	0.1	0.0	0.0	0.5	36,396
Bondo	78.0	0.7	0.1	1.1	19.3	0.1	0.2	0.0	0.5	36,356
Rarieda	72.4	0.6	0.1	0.6	25.8	0.1	0.5	0.0	0.1	30,652
Kisumu County	84.9	1.7	1.1	2.6	9.1	0.1	0.2	0.0	0.3	221,857
Kisumu East	94.6	0.6	0.5	1.2	2.6	0.0	0.3	0.1	0.1	36,907
Kisumu West	87.4	1.5	0.2	2.2	8.4	0.1	0.1	0.0	0.1	28,474
Kisumu Central	82.4	5.2	4.6	6.3	0.1	0.0	0.1	0.1	1.2	43,062
Seme	73.6	0.4	0.0	1.0	24.7	0.2	0.0	0.0	0.1	22,648
Nyando	84.8	0.5	0.1	0.9	13.3	0.1	0.2	0.0	0.1	29,868
Muhoroni	77.2	1.2	0.1	3.5	17.2	0.3	0.3	0.1	0.1	32,910
Nyakach	91.5	0.6	0.1	1.4	5.7	0.1	0.5	0.0	0.0	27,988
Homa Bay County	82.2	0.5	0.1	1.6	15.1	0.1	0.2	0.0	0.1	203,192
Kasipul	91.7	0.5	0.2	1.4	6.0	0.1	0.0	0.1	0.0	24,205
Kabondo Kasipul	87.6	0.6	0.0	1.4	10.3	0.0	0.0	0.0	0.1	22,003
Karachuonyo	89.9	0.6	0.1	2.3	6.8	0.1	0.2	0.0	0.0	33,933
Rangwe	87.6	0.4	0.0	1.5	9.9	0.3	0.2	0.0	0.0	20,661
Homa Bay Town	89.2	1.0	0.1	0.9	8.0	0.1	0.3	0.0	0.5	21,309
Ndhiwa	64.3	0.5	0.0	1.7	33.0	0.2	0.2	0.0	0.1	36,524
Suba North	87.1	0.5	0.0	0.9	10.3	0.2	0.7	0.0	0.1	23,540
Suba South	66.6	0.4	0.1	2.0	30.9	0.1	0.0	0.0	0.0	21,017

Migori County	75.8	0.6	0.1	2.5	20.6	0.1	0.1	0.0	0.1	166,487
Rongo	89.6	0.5	0.2	2.5	6.7	0.2	0.0	0.1	0.2	19,499
Awendo	91.4	0.7	0.0	3.2	4.5	0.0	0.1	0.1	0.0	21,819
Suna East	81.4	1.1	0.3	3.0	13.8	0.1	0.1	0.0	0.1	18,664
Suna West	69.8	0.7	0.2	1.8	27.3	0.2	0.0	0.1	0.0	18,221
Uriri	82.1	0.6	0.0	1.8	15.4	0.1	0.0	0.0	0.1	20,867
Nyatike	65.8	0.4	0.0	1.7	31.5	0.1	0.2	0.0	0.2	27,333
Kuria West	70.2	0.4	0.2	2.8	25.9	0.0	0.2	0.1	0.2	27,354
Kuria East	51.5	0.5	0.0	3.5	44.0	0.0	0.1	0.0	0.3	12,730
Kisii County	83.4	0.6	0.7	3.3	11.4	0.2	0.3	0.0	0.1	236,488
Bonchari	87.3	0.5	0.4	2.7	8.6	0.2	0.1	0.0	0.2	23,385
South Mugirango	80.5	0.5	0.1	3.5	14.9	0.1	0.3	0.0	0.0	31,384
Bomachoge Borabu	78.8	0.4	0.1	3.9	15.5	0.7	0.6	0.0	0.1	20,266
Bobasi	80.6	0.5	0.1	3.2	15.0	0.1	0.4	0.0	0.0	38,516
Bomachoge Chache	83.4	0.6	0.3	3.5	11.9	0.0	0.3	0.0	0.0	18,086
Nyaribari Masaba	79.5	0.6	0.1	5.4	14.2	0.1	0.0	0.0	0.0	25,454
Nyaribari Chache	87.2	0.8	1.2	2.5	7.3	0.3	0.4	0.1	0.2	27,895
Kitutu Chache North	85.6	0.4	0.1	3.8	9.6	0.2	0.1	0.1	0.0	22,372
Kitutu Chache South	88.5	0.8	3.2	1.8	4.6	0.0	0.7	0.0	0.3	29,130
Nyamira County	89.6	0.8	0.2	1.8	7.1	0.1	0.1	0.0	0.3	127,735
Kitutu Masaba	86.7	0.7	0.1	2.0	9.9	0.2	0.2	0.0	0.1	42,408
West Mugirango	92.3	0.6	0.4	1.5	4.9	0.1	0.0	0.1	0.1	33,897
North Mugirango	90.8	0.3	0.1	1.1	7.5	0.1	0.0	0.0	0.1	25,234
Borabu	89.6	1.7	0.2	2.4	5.0	0.1	0.0	0.0	0.9	26,196
Turkana County	12.3	0.4	0.0	0.9	34.9	36.6	1.1	0.2	13.7	106,554
Turkana North	4.2	0.2	0.0	0.2	59.8	12.3	5.2	0.2	17.8	19,299
Turkana West	13.7	0.7	0.0	1.2	60.2	14.1	0.4	0.1	9.6	21,353
Turkana Central	24.5	0.2	0.0	1.6	8.5	54.7	0.1	0.1	10.4	21,781
Loima	1.5	0.3	0.0	0.1	14.9	53.4	0.4	0.1	29.3	16,285
Turkana South	17.9	0.5	0.0	1.5	38.9	36.1	0.2	0.1	4.8	16,872
Turkana East	6.7	0.2	0.2	0.5	17.1	63.6	0.1	0.7	11.0	10,964
West Pokot County	26.8	0.6	0.0	0.8	67.4	0.3	0.1	3.9	0.2	78,946
Kapenguria	46.3	0.9	0.0	1.2	51.1	0.1	0.1	0.2	0.1	26,660
Sigor	12.4	0.3	0.0	0.3	86.5	0.1	0.0	0.2	0.2	14,840
Kacheliba	6.3	0.5	0.0	0.3	74.1	0.3	0.1	18.0	0.3	15,338
Pokot South	27.3	0.5	0.0	1.0	69.6	0.5	0.0	1.1	0.0	22,108
Samburu County	22.3	0.7	0.1	0.8	10.9	12.0	2.5	38.0	12.8	45,363
Samburu West	37.9	0.6	0.0	1.3	9.2	6.0	0.3	39.8	4.8	16,955
Samburu North	9.6	0.1	0.1	0.3	15.7	15.3	2.9	35.7	20.3	15,824
Samburu East	17.2	1.6	0.1	0.8	7.1	16.0	4.8	38.3	14.1	12,584
Trans-Nzoia County	81.5	1.0	0.2	2.8	13.4	0.2	0.1	0.0	0.8	166,597
Kwanza	81.9	0.8	0.1	2.8	13.5	0.2	0.1	0.1	0.6	32,386
Endebess	49.8	0.9	0.0	2.5	45.1	0.6	0.0	0.0	1.1	17,505
Saboti	81.1	1.3	0.4	4.0	11.3	0.1	0.1	0.1	1.7	38,823
Kiminini	90.1	1.5	0.1	2.7	5.0	0.1	0.1	0.0	0.3	39,341
Cherangany	87.3	0.6	0.1	1.9	9.5	0.1	0.3	0.0	0.3	38,542
Baringo County	57.5	1.0	0.1	1.5	39.1	0.2	0.1	0.1	0.5	107,133
Tiaty	7.6	0.4	0.0	0.2	90.9	0.5	0.1	0.1	0.2	21,152

Baringo North	53.9	0.9	0.0	1.3	43.5	0.1	0.1	0.1	0.1	18,935
Baringo Central	80.2	1.8	0.2	2.3	15.3	0.0	0.1	0.0	0.1	15,864
Baringo South	61.1	0.8	0.1	1.7	35.8	0.2	0.2	0.0	0.2	16,823
Mogotio	68.6	1.1	0.0	0.1	29.0	0.3	0.0	0.0	0.8	11,853
Eldama Ravine	82.9	1.2	0.3	2.8	11.1	0.1	0.2	0.1	1.3	22,506
Uasin-Gishu County	84.4	3.1	0.6	2.5	7.8	0.1	0.2	0.1	1.3	198,069
Soy	84.6	0.9	0.2	1.7	12.2	0.0	0.3	0.1	0.1	32,080
Turbo	85.3	2.9	1.1	3.3	6.7	0.0	0.3	0.1	0.3	49,792
Moiben	84.7	1.9	0.6	2.3	9.6	0.1	0.1	0.1	0.7	33,638
Ainabkoi	73.3	10.2	0.3	3.4	8.5	0.1	0.0	0.0	4.1	22,241
Kapserset	91.9	1.3	0.5	2.4	3.1	0.1	0.0	0.0	0.8	33,975
Kesses	82.1	4.1	0.2	2.0	7.5	0.2	0.1	0.0	3.8	26,343
Elgeyo Marakwet County	57.9	0.9	0.1	1.1	39.1	0.2	0.1	0.1	0.5	75,749
Marakwet East	26.1	0.4	0.0	0.6	71.4	0.1	0.1	0.1	1.1	17,648
Marakwet West	62.5	1.0	0.1	1.0	33.8	0.4	0.3	0.2	0.8	20,968
Keiyo North	66.2	1.3	0.2	1.3	30.7	0.2	0.0	0.0	0.0	15,226
Keiyo South	73.2	0.9	0.0	1.6	23.9	0.1	0.1	0.0	0.2	21,907
Nandi County	81.9	0.8	0.1	1.4	14.8	0.1	0.1	0.0	0.9	150,495
Tinderet	66.5	0.6	0.1	1.4	30.3	0.0	0.1	0.0	0.9	19,091
Aldai	81.8	0.6	0.0	2.3	14.5	0.1	0.3	0.0	0.4	28,784
Nandi Hills	88.0	0.6	0.1	0.4	8.2	0.1	0.0	0.0	2.4	24,015
Chesumei	87.4	1.3	0.1	1.4	8.9	0.1	0.1	0.0	0.7	26,009
Emgwen	88.0	0.9	0.1	1.1	8.8	0.1	0.2	0.0	0.8	26,879
Mosop	75.7	0.6	0.0	1.5	21.8	0.1	0.1	0.0	0.1	25,717
Laikipia County	80.3	1.4	1.5	2.8	9.6	0.4	0.7	2.6	0.8	97,112
Laikipia West	86.7	1.1	1.1	2.9	6.7	0.2	0.1	0.7	0.5	47,960
Laikipia East	89.5	2.5	2.9	1.8	0.9	0.3	1.9	0.0	0.3	31,010
Laikipia North	47.5	0.4	0.0	4.4	31.9	1.1	0.1	12.0	2.5	18,142
Nakuru County	86.7	2.0	0.9	3.2	5.8	0.2	0.3	0.1	0.9	401,645
Molo	91.1	1.3	0.4	2.9	2.6	0.2	0.6	0.1	0.9	29,907
Njoro	88.0	0.7	0.2	3.3	7.5	0.1	0.1	0.0	0.2	42,322
Naivasha	90.3	1.0	1.0	3.3	2.1	0.1	0.1	0.2	1.8	67,277
Gilgil	89.0	2.0	0.4	2.4	2.5	0.1	0.2	0.3	3.0	36,299
Kuresoi South	59.3	0.6	0.0	2.3	36.4	0.8	0.2	0.0	0.3	22,940
Kuresoi North	71.7	0.7	0.1	3.7	22.1	0.6	0.1	0.0	1.1	26,048
Subukia	95.1	0.8	0.3	0.5	2.5	0.1	0.1	0.6	0.1	21,760
Rongai	87.4	2.6	0.1	2.1	6.9	0.1	0.0	0.0	0.7	30,832
Bahati	96.1	1.0	0.2	1.6	0.3	0.1	0.1	0.2	0.4	34,942
Nakuru Town West	90.7	3.4	2.7	2.5	0.1	0.0	0.3	0.1	0.1	45,137
Nakuru Town East	82.0	6.6	2.2	8.1	0.0	0.0	0.9	0.0	0.0	44,181
Narok County	48.6	0.5	0.1	3.0	33.4	1.1	0.4	11.2	1.7	163,823
Kilgoris	35.2	0.4	0.1	2.0	60.5	0.6	0.2	0.7	0.2	31,705
Emurua Dikirr	17.3	0.3	0.1	0.8	81.2	0.1	0.3	0.0	0.0	16,347
Narok North	78.3	0.7	0.3	4.8	7.7	2.4	0.8	1.7	3.3	37,654
Narok East	55.3	0.7	0.0	6.6	16.5	1.8	0.5	14.3	4.2	17,305
Narok South	45.6	0.4	0.0	1.9	31.5	0.8	0.2	18.6	0.9	33,871
Narok West	41.4	0.3	0.1	1.8	21.6	0.6	0.3	32.1	1.7	26,941
Kajiado County	67.0	3.9	3.4	3.2	10.6	0.4	0.4	10.2	0.9	170,129

Kajiado North	82.5	7.7	5.8	3.0	0.0	0.1	0.2	0.1	0.6	56,678
Kajiado Central	48.9	0.7	0.1	2.5	11.5	0.2	0.1	34.8	1.1	22,398
Kajiado East	77.9	3.0	5.7	4.6	1.7	0.2	0.3	6.3	0.3	36,689
Kajiado West	48.1	3.5	1.3	2.2	18.7	0.9	0.2	23.0	2.2	25,232
Kajiado South	53.3	0.6	0.1	3.0	34.5	1.0	1.1	5.1	1.1	29,132
Kericho County	83.2	0.8	0.7	1.2	13.4	0.1	0.2	0.1	0.3	154,132
Kipkelion East	88.2	0.6	0.1	0.3	10.4	0.2	0.1	0.0	0.2	22,520
Kipkelion West	72.2	0.8	0.0	1.5	25.0	0.1	0.1	0.0	0.2	18,864
Ainamoi	85.1	1.3	0.8	2.3	9.5	0.0	0.5	0.0	0.3	32,267
Bureti	90.0	0.8	0.1	0.8	7.4	0.2	0.3	0.0	0.4	31,560
Belgut	88.9	0.6	2.5	0.8	6.5	0.1	0.1	0.1	0.4	28,595
Sigowet/Soin	66.5	0.7	0.2	1.0	31.2	0.1	0.0	0.3	0.2	20,326
Bomet County	68.3	1.0	1.1	1.5	27.1	0.2	0.3	0.1	0.5	141,219
Sotik	68.2	2.1	0.2	1.3	27.8	0.1	0.1	0.2	0.1	31,878
Chepalungu	45.7	0.5	0.0	0.9	52.5	0.1	0.2	0.0	0.0	30,094
Bomet East	64.2	0.6	0.1	0.7	33.8	0.4	0.1	0.1	0.1	23,897
Bomet Central	79.9	0.7	0.5	2.1	16.0	0.3	0.4	0.2	0.1	23,572
Konoin	84.1	0.8	4.0	2.4	5.8	0.1	0.7	0.0	1.9	31,778
Kakamega County	76.6	0.6	0.1	2.4	19.9	0.1	0.2	0.0	0.1	349,735
Lugari	81.1	0.6	0.1	2.9	15.1	0.1	0.1	0.0	0.1	33,251
Likuyani	90.3	0.7	0.2	1.7	6.7	0.1	0.3	0.0	0.1	25,690
Malava	57.7	0.3	0.1	3.7	37.9	0.0	0.0	0.0	0.2	40,053
Lurambi	90.1	1.0	0.6	1.8	6.0	0.0	0.1	0.1	0.3	36,197
Navakholo	66.5	0.5	0.1	2.0	30.8	0.2	0.0	0.0	0.0	27,107
Mumias West	75.1	0.4	0.2	4.0	19.6	0.0	0.3	0.0	0.3	25,915
Mumias East	75.5	0.4	0.1	2.1	21.7	0.0	0.1	0.0	0.0	21,148
Matungu	63.8	0.6	0.0	0.7	33.8	0.1	0.7	0.1	0.2	30,486
Butere	74.4	0.5	0.1	1.7	23.1	0.0	0.0	0.0	0.0	30,479
Khwisero	82.1	0.6	0.1	1.4	15.2	0.2	0.4	0.0	0.0	23,225
Shinyalu	79.9	0.6	0.1	3.7	15.5	0.1	0.1	0.0	0.0	33,555
Ikolomani	90.1	0.6	0.1	2.3	6.7	0.2	0.0	0.0	0.0	22,629
Vihiga County	92.3	0.7	0.2	2.5	3.8	0.1	0.3	0.0	0.1	120,416
Vihiga	91.0	0.9	0.4	3.4	4.0	0.0	0.0	0.0	0.3	20,143
Sabatia	92.1	0.9	0.3	3.5	2.9	0.1	0.3	0.0	0.0	27,275
Hamisi	91.8	0.6	0.1	2.8	4.1	0.1	0.4	0.1	0.1	30,724
Luanda	94.4	0.7	0.1	0.3	4.1	0.0	0.1	0.0	0.1	22,246
Emuhaya	92.3	0.6	0.1	2.2	4.2	0.1	0.5	0.0	0.0	20,028
Bungoma County	77.6	0.5	0.1	2.7	18.5	0.1	0.2	0.0	0.2	260,628
Mt Elgon	63.0	0.4	0.1	2.1	33.0	0.2	0.2	0.0	0.9	31,587
Sirisia	64.0	0.4	0.1	2.4	32.9	0.0	0.0	0.2	0.0	19,819
Kabuchai	80.1	0.5	0.0	3.8	15.2	0.1	0.0	0.1	0.2	27,260
Bumula	57.1	0.4	0.0	1.9	40.0	0.1	0.2	0.0	0.1	34,280
Kanduyi	84.5	0.8	0.4	3.2	10.7	0.1	0.2	0.0	0.1	46,059
Webuye East	88.2	0.4	0.1	2.5	8.3	0.0	0.4	0.0	0.1	19,017
Webuye West	85.8	0.5	0.2	3.6	9.6	0.0	0.1	0.0	0.2	24,124
Kimilili	87.8	0.5	0.1	3.3	7.5	0.1	0.7	0.0	0.1	24,454
Tongaren	89.4	0.6	0.1	1.3	8.6	0.0	0.0	0.0	0.0	34,028
Busia County	49.6	0.5	0.1	1.7	47.8	0.1	0.1	0.0	0.1	147,910

Teso North	39.6	0.4	0.3	0.9	58.6	0.1	0.0	0.0	0.0	22,917
Teso South	34.9	0.5	0.0	1.0	63.3	0.1	0.0	0.0	0.2	24,451
Nambale	48.7	0.6	0.0	3.8	46.5	0.2	0.1	0.0	0.0	18,672
Matayos	64.3	0.5	0.1	1.3	33.5	0.2	0.0	0.0	0.1	23,278
Butula	51.2	0.4	0.0	1.6	46.5	0.0	0.2	0.0	0.0	25,148
Funyula	51.6	0.7	0.1	2.1	45.1	0.2	0.0	0.0	0.1	18,411
Budalangi	61.7	0.5	0.0	1.6	35.2	0.2	0.1	0.0	0.8	15,033

Annex table 23: Main material of the roof of the main dwelling unit for male and female headed households by county and constituency

County/ constituency	Male headed households							Female headed households													
	Corrugated iron sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/ dung	Other	House holds	Corrugated iron sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/ dung	Other	Households	
Kenya	73.0	2.3	3.9	2.3	13.5	3.2	0.3	0.5	1.0	5,762,320	74.5	2.0	3.0	2.2	12.7	3.2	0.3	1.2	1.0	2,731,060	
Rural	69.2	0.8	0.2	1.8	21.5	4.4	0.2	0.9	1.1	3,413,616	72.5	0.7	0.1	1.8	17.8	3.9	0.3	1.8	1.1	1,826,263	
Urban	78.5	4.6	9.3	2.9	2.0	1.4	0.3	0.1	0.9	2,348,704	78.6	4.5	8.7	2.9	2.3	1.6	0.3	0.1	0.9	904,797	
Nairobi County	66.4	9.1	20.5	3.0	0.0	0.1	0.5	0.0	0.3	739,199	61.6	11.3	22.8	3.3	0.0	0.1	0.4	0.0	0.3	229,278	
Westlands	67.7	19.5	10.5	1.8	0.0	0.1	0.1	0.0	0.3	43,574	68.4	18.6	10.2	2.1	0.0	0.1	0.2	0.0	0.4	11,994	
Dagoretti North	66.2	20.4	9.4	3.1	0.0	0.1	0.5	0.0	0.2	43,240	55.1	27.5	14.0	2.4	0.0	0.1	0.5	0.0	0.3	13,469	
Dagoretti South	90.7	3.2	3.4	2.2	0.0	0.1	0.1	-	0.2	42,170	89.2	3.8	4.0	2.6	0.0	0.1	0.1	-	0.2	13,392	
Langata	58.5	25.1	12.3	2.8	0.1	0.2	0.7	0.1	0.3	39,741	44.4	31.7	19.8	3.0	0.1	0.2	0.4	0.1	0.3	12,915	
Kibra	85.8	6.3	3.1	3.7	0.0	0.0	0.5	0.1	0.4	49,942	75.2	12.5	6.2	5.2	0.0	0.0	0.5	0.1	0.3	13,151	
Roysambu	55.7	7.6	31.8	4.1	0.0	0.0	0.5	0.0	0.1	42,234	53.7	5.7	36.7	3.3	0.0	0.0	0.4	0.0	0.1	15,443	
Kasarani	67.7	6.8	22.5	2.0	0.0	0.1	0.1	0.6	0.6	37,967	65.7	7.4	23.6	2.3	0.0	0.1	0.1	0.9	0.9	11,858	
Ruaraka	61.2	3.2	32.9	1.6	0.0	0.0	0.9	0.0	0.1	48,375	62.5	2.4	32.3	1.8	0.0	0.1	0.9	0.0	0.1	11,972	
Embakasi South	72.8	2.7	22.7	0.8	0.0	0.1	0.6	0.0	0.2	61,440	65.9	4.9	27.2	1.0	0.0	0.1	0.7	0.0	0.2	13,263	
Embakasi North	73.6	1.0	22.0	2.8	0.0	0.0	0.4	0.0	0.2	45,086	76.1	1.2	19.5	2.8	0.0	0.0	0.2	0.1	0.2	15,100	
Embakasi Central	51.2	7.4	38.7	2.2	0.0	0.0	0.1	0.0	0.3	44,069	51.7	10.0	35.3	2.4	0.0	0.0	0.1	0.0	0.4	13,693	
Embakasi East	59.6	12.5	23.4	2.4	0.0	0.0	1.6	0.0	0.5	37,845	53.3	15.8	27.2	2.3	0.0	0.0	0.9	0.0	0.4	11,086	
Embakasi West	44.7	4.2	42.2	8.2	0.0	0.0	0.2	0.0	0.5	32,893	43.6	3.9	43.8	7.9	0.0	-	0.2	0.0	0.6	12,019	

Makadara	56.6	23.1	123	7.6	0.0	0.1	0.1	-	0.3	43,355	49.2	26.5	14.7	9.1	0.0	0.1	0.1	0.0	0.3	15,479	
Kamukunji	66.0	4.2	26.2	2.4	0.0	0.1	0.3	0.0	0.8	42,495	61.0	5.0	30.8	2.2	0.0	0.1	0.2	0.0	0.7	16,401	
Starehe	69.3	12.3	15.3	2.2	0.0	0.1	0.4	0.0	0.4	36,497	60.4	17.3	19.4	1.9	0.0	0.1	0.5	-	0.4	13,139	
Mathare	70.8	0.8	24.5	3.0	0.0	0.1	0.6	0.0	0.2	48,276	70.9	1.0	23.4	3.7	-	0.1	0.6	0.1	0.3	14,904	
Nyandarua County	95.0	0.6	0.2	2.0	0.8	0.1	0.1	0.0	0.0	12	92,263	94.9	0.6	0.2	2.1	0.8	0.1	0.0	0.0	1.3	48,482
Kinangop	96.2	0.7	0.4	2.0	0.4	0.0	0.0	0.0	0.2	30,065	96.4	0.6	0.4	1.9	0.4	0.0	0.0	0.0	0.2	14,472	
Kipipiri	94.7	0.5	0.1	2.4	1.3	0.2	0.0	0.0	0.8	13,901	94.3	0.6	0.1	2.6	1.3	0.1	0.0	-	1.1	7,903	
Ol Kalou	95.3	0.5	0.1	1.7	0.8	0.0	0.1	0.0	14	17,659	94.8	0.7	0.1	1.7	0.8	0.0	0.1	0.0	1.9	9,221	
Ol Jorok	95.5	0.6	0.0	1.6	0.4	0.1	0.1	0.0	1.6	15,711	95.4	0.5	0.1	1.6	0.6	0.1	0.1	-	1.7	8,433	
Ndaraqua	92.1	0.7	0.1	2.4	1.4	0.2	0.1	0.0	3.0	14,927	92.9	0.5	0.0	2.6	1.4	0.1	0.0	0.0	2.4	8,453	
Nyeri County	94.4	1.2	1.1	2.2	0.5	0.1	0.2	0.0	0.3	128,319	94.6	1.0	1.3	2.2	0.4	0.0	0.2	0.0	0.2	71,157	
Tetu	94.4	1.1	0.2	3.9	0.0	0.0	0.2	0.0	0.1	13,547	95.4	0.6	0.3	3.2	0.1	0.0	0.2	0.0	0.1	7,881	
Kieni	95.2	0.7	0.2	1.7	1.7	0.2	0.1	0.0	0.3	34,360	96.0	0.7	0.2	1.6	1.2	0.1	0.1	0.0	0.2	16,538	
Mathira	94.4	1.4	1.6	1.7	0.1	0.1	0.0	0.5	27,615	94.2	1.1	2.0	2.0	0.2	0.0	0.1	0.0	0.4	15,822		
Ohaya	96.7	0.8	0.5	1.5	0.0	0.0	0.3	0.0	0.0	14,834	96.6	0.7	0.6	1.6	0.0	0.0	0.4	0.1	0.0	9,073	
Mukunwe-Ini	95.8	0.7	1.2	1.9	0.0	0.0	0.3	0.0	0.0	14,255	96.0	0.8	0.9	1.8	0.0	0.0	0.5	0.0	0.0	9,595	
Nyeri Town	90.6	2.5	2.6	3.3	0.1	0.1	0.2	0.0	0.7	23,708	90.2	2.1	3.7	3.3	0.1	0.0	0.2	-	0.4	12,248	
Kirinyaga County	95.1	0.8	0.8	2.5	0.5	0.0	0.1	0.0	0.3	106,905	94.7	0.7	1.0	2.7	0.4	0.0	0.0	0.0	0.3	45,741	
Mwea	92.4	0.5	0.7	4.3	1.3	0.1	0.0	0.0	0.5	39,514	92.0	0.4	1.0	4.9	1.1	0.0	0.0	0.0	0.5	15,584	

Gichugu	97.2	0.7	0.2	1.6	0.0	0.0	0.2	0.0	0.0	25,509	96.9	0.8	0.2	1.8	0.0	-	0.0	0.0	0.2	10,361
Ndia	96.1	1.1	1.2	1.3	0.1	-	0.0	0.1	0.2	19,339	95.8	1.0	1.5	1.4	0.1	-	0.1	0.0	0.2	9,894
Kirinyaga Central	96.3	1.0	1.1	1.5	0.0	0.0	0.0	0.1	0.1	22,543	95.7	1.0	1.4	1.6	0.0	0.0	0.1	0.1	0.1	9,902
Muranga County	94.0	1.3	1.7	1.7	0.3	0.0	0.6	0.0	0.3	158,183	94.5	1.1	1.7	1.7	0.3	0.0	0.6	0.1	0.1	93,993
Kangema	95.9	1.0	1.1	0.9	0.1	0.1	0.5	0.0	0.5	13,208	96.3	1.0	0.8	1.0	0.0	0.1	0.5	0.0	0.3	8,511
Mathioya	96.0	1.5	0.6	0.7	0.1	0.0	1.0	0.0	0.0	14,503	95.7	1.4	0.7	1.1	0.0	0.0	1.1	0.0	0.1	9,986
Kiharu	91.6	1.2	4.1	2.5	0.1	0.0	0.4	0.0	0.1	31,300	92.4	1.0	4.1	2.1	0.1	0.0	0.3	0.1	0.1	19,451
Kigumo	94.3	1.1	2.0	1.3	0.0	0.0	1.0	0.0	0.1	20,999	94.3	1.1	2.0	1.5	0.0	0.0	1.0	0.0	0.1	11,873
Maragua	93.6	1.2	1.5	2.8	0.6	0.0	0.1	0.0	0.1	24,940	94.1	1.1	1.6	2.6	0.5	0.1	0.1	0.0	0.0	14,698
Kandara	95.8	1.0	0.9	1.2	0.0	0.0	0.8	0.1	0.1	25,664	95.7	1.0	0.9	1.1	0.0	0.0	1.0	0.1	0.0	15,040
Gatanga	93.5	1.7	0.5	1.7	0.9	0.1	0.5	0.0	1.1	27,569	94.6	1.1	0.4	1.8	1.0	0.1	0.5	0.0	0.4	14,434
Kiambu County	87.7	3.3	6.6	1.8	0.1	0.1	0.2	0.0	0.2	327,558	87.7	3.0	7.0	1.7	0.1	0.1	0.2	0.0	0.1	128,752
Gatundu South	96.1	1.5	1.4	0.6	0.0	0.0	0.3	0.0	0.0	19,229	95.9	1.3	1.7	0.7	0.0	0.0	0.2	0.1	0.0	10,389
Gatundu North	96.1	1.5	1.0	0.9	0.0	0.0	0.2	0.0	0.3	16,215	96.5	1.2	0.8	0.7	0.0	0.0	0.2	0.1	0.4	8,745
Juja	87.7	3.6	5.4	2.6	0.1	0.1	0.2	0.0	0.2	27,344	87.9	2.6	6.0	2.6	0.3	0.2	0.3	0.1	0.1	9,461
Thika Town	85.2	5.1	6.3	2.8	0.3	0.2	0.1	0.0	0.1	37,185	82.3	5.7	8.0	3.3	0.4	0.1	0.1	0.0	0.1	14,236
Ruiru	73.4	4.3	19.8	2.0	0.1	0.1	0.1	0.2	0.2	47,939	70.6	4.1	22.7	1.9	0.1	0.2	0.1	0.1	0.2	15,762
Githunguri	92.8	2.1	2.5	2.1	0.0	0.4	0.1	0.0	0.0	27,089	92.6	1.9	2.9	2.0	0.0	0.4	0.1	-	0.1	11,756
Kiambu	84.6	4.0	8.1	2.6	0.1	0.1	0.4	0.0	0.2	22,644	84.5	3.7	8.5	2.3	0.3	0.1	0.4	-	0.2	8,543

Kiambaa	92.0	2.6	3.7	1.3	0.0	0.0	0.2	-	0.1	30,984	90.7	2.8	4.6	1.5	0.0	0.1	0.2	-	0.2	10,559
Kabeto	91.2	2.9	4.6	1.0	-	0.1	0.1	-	0.1	29,836	91.1	2.5	4.9	1.1	0.0	0.0	0.2	-	0.1	10,439
Kikuyu	85.1	4.8	7.7	2.2	0.0	0.0	0.0	0.0	0.1	25,511	84.0	4.6	9.1	2.1	0.0	0.0	0.0	0.0	0.1	9,948
Limuru	90.8	3.2	3.9	1.2	0.0	0.1	0.4	-	0.4	22,778	91.8	2.4	4.1	1.0	0.1	0.1	0.3	0.0	0.2	9,450
Lari	96.3	1.7	0.7	1.1	0.1	0.0	0.0	0.0	0.1	20,804	96.6	1.4	0.9	0.7	0.1	0.0	0.0	0.0	0.1	9,464
Mombasa County	75.7	3.4	8.7	3.1	0.1	4.1	0.4	0.1	4.3	206,719	72.4	3.5	108	3.1	0.1	4.8	0.4	0.1	4.7	59,278
Changamwe	75.5	1.5	5.4	4.5	0.0	12	0.7	0.2	10.9	32,464	72.3	1.6	5.6	5.4	0.1	1.4	0.4	0.2	13.1	9,397
Jomvu	79.6	1.3	6.3	1.4	0.1	4.2	0.4	0.1	6.6	26,909	77.5	1.3	6.9	1.3	0.1	5.2	0.4	0.0	7.3	7,922
Kisauini	80.2	2.5	3.5	4.8	0.1	6.9	0.7	0.1	12	40,298	77.0	2.8	5.2	5.0	0.1	8.1	0.8	0.1	0.9	11,884
Nyali	80.8	5.1	4.8	2.5	0.1	4.7	0.4	0.1	15	42,885	77.9	5.5	6.9	2.4	0.0	4.9	0.4	0.1	1.7	11,665
Likoni	83.5	1.0	1.6	2.9	0.1	5.2	0.0	0.0	5.6	39,708	80.3	1.4	2.1	2.5	0.2	7.6	0.1	0.0	5.8	9,994
Mvita	42.9	10.2	42.9	1.9	0.1	0.4	0.3	0.4	1.1	24,455	44.1	8.8	43.7	1.3	0.0	0.2	0.3	0.5	1.2	8,396
Kwale County	37.5	0.6	0.2	1.9	9.3	49.8	0.2	0.0	0.5	80,118	35.7	0.5	0.1	1.7	11.6	49.8	0.2	0.0	0.4	39,254
Msabweni	48.9	1.0	0.6	2.3	0.8	45.6	0.0	0.0	0.8	23,816	47.1	0.9	0.5	1.8	0.9	48.0	0.0	0.1	0.7	8,305
Lung'a Lung'a	24.3	0.4	0.1	1.5	14.4	58.7	0.2	0.0	0.4	17,328	25.7	0.4	0.1	1.2	15.2	56.8	0.3	0.1	0.4	9,352
Matuga	32.8	0.5	0.1	1.4	2.5	61.7	0.4	0.0	0.5	19,145	30.9	0.5	0.1	1.2	2.7	63.8	0.4	0.0	0.6	8,600
Kinango	39.9	0.4	0.1	2.2	21.7	35.4	0.2	0.1	0.3	19,829	38.7	0.3	0.0	2.2	21.8	36.8	0.1	0.0	0.1	12,997
Kilifi County	43.1	1.0	1.7	2.6	7.0	43.4	0.2	0.0	1.1	128,348	38.9	0.8	1.7	2.3	8.2	46.7	0.2	0.0	1.1	62,381
Kilifi North	38.8	1.2	0.6	2.1	0.3	53.4	0.1	0.0	3.4	24,373	35.0	0.9	0.4	1.9	0.6	57.8	0.1	0.0	3.4	11,245

Kilifi South	49.4	2.2	1.8	2.5	0.8	42.3	0.1	0.0	0.8	24,035	42.0	1.6	2.1	2.1	1.5	49.3	0.1	0.1	1.1	11,773
Kaloleni	52.8	0.9	0.6	1.5	5.3	38.5	0.2	0.0	0.1	15,784	48.2	0.7	0.6	1.6	6.9	41.2	0.4	0.0	0.2	8,671
Rabai	42.6	0.4	0.2	1.3	0.4	54.0	0.1	0.0	1.0	10,848	42.5	0.4	0.3	1.6	0.4	53.2	0.0	0.0	1.6	5,031
Ganze	23.2	0.3	0.0	1.4	29.4	45.2	0.1	0.0	0.4	11,193	24.4	0.2	0.0	1.2	26.8	46.8	0.1	0.0	0.4	8,645
Malindi	55.2	0.7	54	4.9	1.8	312	0.2	0.1	0.6	23,768	50.5	0.6	6.2	5.0	2.9	34.0	0.2	0.1	0.5	9,414
Magarini	28.6	0.8	0.9	2.8	22.1	44.0	0.3	0.1	0.4	18,347	28.9	0.5	1.0	2.5	22.1	44.3	0.3	0.1	0.3	7,602
Tana River County	25.9	0.4	0.0	1.4	55.5	15.1	0.1	0.0	1.5	31,379	26.0	0.3	0.0	1.0	59.3	11.9	0.0	0.1	1.4	13,848
Garsen	17.0	0.7	0.1	0.6	55.6	23.9	0.3	0.0	1.9	12,805	19.4	0.4	0.1	0.5	59.2	18.7	0.1	0.0	1.5	5,167
Galole	36.2	0.2	0.0	2.8	50.2	9.4	-	0.1	1.0	7,579	33.2	0.1	0.0	2.1	56.4	7.2	0.0	0.1	1.0	3,745
Bura	29.0	0.3	0.0	1.3	59.0	8.9	0.1	0.0	1.4	10,995	27.5	0.2	-	0.8	61.5	8.5	0.0	0.1	1.5	4,936
Lamu County	30.2	0.3	11.5	3.1	17.1	34.1	0.4	0.1	3.3	15,813	35.5	0.3	102	2.9	14.3	34.0	0.4	0.1	2.4	5,245
Lamu East	6.3	0.1	7.3	2.6	8.1	70.3	0.7	0.1	4.5	2,582	7.2	0.1	5.9	0.7	5.9	77.7	-	0.1	2.4	940
Lamu West	34.8	0.4	123	3.2	18.9	27.0	0.3	0.1	3.1	13,231	41.7	0.3	112	3.3	16.2	24.4	0.4	0.0	2.4	4,305
Taita-Taveta County	83.6	1.3	0.4	3.2	6.8	18	0.6	0.1	2.1	46,628	87.2	1.1	0.4	2.4	6.1	0.9	0.9	0.2	0.9	23,655
Taveta	73.6	0.6	0.1	3.0	15.9	4.6	0.3	0.2	1.7	11,740	76.0	0.6	0.2	3.0	14.8	3.1	0.3	0.6	1.5	4,375
Wundanyi	88.9	1.8	0.3	2.6	2.9	14	1.0	0.0	1.0	9,305	91.5	1.2	0.4	2.1	2.5	0.4	1.7	-	0.3	5,121
Mwatate	86.0	0.9	0.2	3.9	2.7	0.9	1.3	-	4.1	11,527	89.6	0.8	0.1	3.1	2.4	0.4	1.8	0.0	1.7	6,408
Voi	86.3	1.9	1.0	3.1	5.2	0.5	0.2	0.1	1.6	14,056	88.7	1.5	0.8	1.7	6.6	0.3	0.1	0.2	0.3	7,751
Marsabit County	27.8	0.2	0.1	1.1	25.8	8.3	1.5	0.8	34.4	33,330	28.2	0.2	0.0	1.0	21.1	15.1	1.5	0.9	32.0	20,269

Moyale	42.0	0.2	0.1	1.5	50.1	1.1	0.1	1.3	3.6	10,325	50.2	0.2	0.1	1.0	43.0	0.3	0.0	1.1	4.1	5,368
North Horr	6.9	0.1	0.1	0.3	12.8	3.6	3.3	0.1	72.9	10,553	7.8	0.1	-	0.2	8.1	7.0	3.9	0.0	72.9	4,578
Saku	63.3	0.7	0.1	2.9	24.3	1.1	1.8	1.0	4.9	5,750	58.7	0.5	0.1	3.4	27.7	1.7	0.9	1.0	6.1	3,732
Laisamis	8.5	0.1	0.0	0.2	10.1	32.9	0.8	1.0	46.4	6,702	7.1	0.1	0.0	0.3	8.6	40.3	14	1.2	41.1	6,591
Isiolo County	60.4	0.8	0.3	1.7	22.2	5.9	1.4	2.5	4.7	19,020	60.9	0.5	0.3	1.2	18.4	5.8	2.4	4.8	5.9	11,857
Isiolo North	69.0	0.7	0.5	2.4	11.5	4.0	2.0	3.6	6.2	13,062	62.3	0.5	0.4	1.5	13.6	4.9	3.1	6.2	7.6	9,087
Isiolo South	41.5	0.8	-	0.2	45.7	10.3	0.1	0.0	1.3	5,958	56.1	0.7	-	0.0	34.1	8.7	-	0.3	0.1	2,770
Meru County	93.0	0.8	0.3	3.1	2.0	0.3	0.1	0.1	0.2	221,998	92.6	0.7	0.3	3.2	2.4	0.3	0.1	0.1	0.2	89,267
Igembe South	93.3	0.7	0.1	2.9	2.2	0.3	0.1	0.3	0.1	22,483	93.1	0.7	0.1	3.0	2.2	0.4	0.0	0.4	0.1	7,246
Igembe Central	92.8	0.7	0.0	2.9	2.8	0.2	0.2	0.1	0.2	28,816	93.1	0.6	0.1	2.6	3.0	0.2	0.2	0.1	0.1	9,579
Igembe North	89.1	0.6	0.1	6.7	2.6	0.3	0.3	0.1	0.1	21,681	87.8	0.7	0.1	7.2	3.1	0.6	0.2	0.3	0.0	7,467
Tigania West	91.3	0.8	0.0	3.8	3.3	0.3	0.1	0.1	0.1	18,221	91.1	0.6	0.0	3.2	4.3	0.3	0.4	0.1	0.0	9,911
Tigania East	89.0	0.8	0.1	3.2	5.6	0.8	0.2	0.1	0.2	21,181	88.0	0.8	0.1	3.2	6.4	0.9	0.2	0.1	0.2	9,711
North Ilmenti	92.8	1.5	1.5	3.7	0.2	0.0	0.1	0.0	0.1	28,252	92.9	1.5	1.5	3.8	0.1	0.0	0.1	0.0	0.1	12,062
Buuri	93.1	0.5	0.1	3.0	1.6	0.9	0.1	0.1	0.7	26,604	93.3	0.5	0.0	3.4	1.4	0.5	0.1	0.0	0.8	12,222
Central Ilmenti	97.3	0.6	0.0	0.8	1.0	0.1	0.0	0.0	0.1	21,125	97.0	0.6	0.0	0.8	1.4	0.1	0.0	0.1	0.1	8,437
South Ilmenti	96.2	0.7	0.2	1.7	0.6	0.1	0.0	0.1	0.4	33,635	95.7	0.6	0.3	2.0	0.8	0.1	0.1	0.1	0.5	12,632
Tharaka Nithi County	88.1	0.7	0.3	1.9	8.6	0.2	0.1	0.0	0.1	59,079	86.6	0.7	0.3	2.1	9.9	0.2	0.1	0.1	0.1	27,711

Maara	94.5	0.7	0.2	0.8	3.6	0.1	0.0	0.0	19,764	94.4	0.8	0.2	0.8	3.4	0.1	0.0	0.0	0.2	7,910
Chukai/ Igamba- ngombe	89.8	0.8	0.5	1.8	6.5	0.2	0.1	0.1	21,832	88.3	0.7	0.6	2.1	7.6	0.1	0.2	0.1	0.1	11,060
Tharaka	78.9	0.6	0.0	3.1	16.9	0.2	0.1	0.0	17,483	77.4	0.5	0.0	3.1	18.5	0.3	0.0	0.0	0.1	8,741
Embu County	92.5	1.1	0.5	2.2	3.1	0.1	0.1	0.0	86,215	91.6	0.9	0.5	2.3	3.9	0.1	0.1	0.0	0.5	41,864
Manyatta	94.3	1.8	1.1	2.1	0.2	0.0	0.1	0.0	28,078	94.4	1.3	1.4	2.0	0.1	0.1	0.0	0.0	0.7	12,752
Runyenes	95.6	0.7	0.0	2.1	0.4	0.1	0.3	0.1	25,528	95.2	0.6	0.1	1.9	0.6	0.1	0.3	0.1	1.1	10,982
Mbeere South	87.4	0.9	0.2	3.0	7.9	0.4	0.1	0.0	19,686	86.2	0.8	0.2	3.5	9.0	0.2	0.1	0.0	0.1	10,243
Mbeere North	90.4	0.6	0.1	1.7	7.1	0.1	0.0	0.0	12,923	89.0	0.6	0.1	1.9	8.1	0.2	0.0	0.0	0.1	7,887
Kitui County	75.8	1.2	0.2	1.6	20.4	0.4	0.1	0.1	110,589	76.9	1.0	0.1	1.7	19.7	0.3	0.1	0.1	0.1	91,103
Mwingi North	54.9	0.8	0.1	1.7	42.0	0.2	0.1	0.0	13,719	56.6	0.8	0.0	1.6	40.4	0.2	0.1	0.1	0.1	12,059
Mwingi West	93.7	0.9	0.4	0.7	4.0	0.0	0.1	0.0	13,605	94.8	0.9	0.1	0.8	3.1	0.0	0.1	0.0	0.1	12,782
Mwingi Central	73.9	1.2	0.2	1.8	22.2	0.1	0.1	0.0	13,008	73.1	1.0	0.2	2.0	23.3	0.1	0.1	0.0	0.2	11,220
Kitui West	87.2	2.0	0.1	1.5	8.8	0.1	0.2	0.1	11,462	88.4	1.8	0.0	1.5	7.9	0.1	0.1	0.0	0.0	10,517
Kitui Rural	78.9	1.2	0.1	3.3	15.9	0.2	0.1	0.1	11,693	81.1	1.2	0.1	3.1	14.2	0.1	0.2	0.1	0.0	9,439
Kitui Central	88.3	1.6	0.2	1.7	7.7	0.2	0.2	0.1	16,430	86.6	1.1	0.2	1.8	9.9	0.1	0.1	0.1	0.0	11,985
Kitui East	67.0	0.8	0.1	1.3	29.3	0.9	0.3	0.0	13,499	66.9	0.8	0.1	1.7	29.4	0.8	0.2	0.0	0.1	10,052
Kitui South	64.7	1.0	0.1	1.3	30.8	14	0.1	0.1	17,173	68.0	0.8	0.1	1.2	28.8	0.8	0.0	0.0	0.2	13,049
Machakos County	88.1	1.8	3.7	1.6	4.3	0.1	0.1	0.0	165,090	90.2	1.2	2.0	1.4	4.7	0.1	0.1	0.0	0.1	95,690
Masinga	81.3	0.8	0.0	0.6	17.0	0.2	0.0	0.0	15,335	83.7	0.6	0.0	0.3	15.2	0.1	0.0	0.0	0.0	11,557

Yatta	89.2	0.7	0.6	0.6	8.5	0.2	0.1	0.0	0.1	19,015	89.6	0.8	0.5	1.0	7.9	0.2	0.0	0.0	0.1	13,640
Kangundo	95.4	0.8	0.2	2.2	0.9	0.1	0.3	-	0.1	13,473	96.3	0.5	0.2	1.7	1.1	0.1	0.1	-	0.0	8,388
Matungulu	91.8	0.8	0.6	1.8	4.5	0.4	0.1	0.0	0.1	18,319	92.3	0.7	0.5	1.8	4.4	0.2	0.1	0.0	0.0	9,864
Kathiani	95.8	1.0	0.3	1.6	1.0	0.1	0.1	0.0	0.0	13,362	96.4	1.0	0.2	1.4	0.8	0.1	0.1	0.0	0.0	9,801
Mavoko	75.8	4.7	15.0	2.5	0.9	0.1	0.2	0.2	0.5	35,172	73.1	4.4	17.0	2.6	1.5	0.0	0.3	0.4	0.7	8,984
Machakos Town	93.2	1.6	1.5	2.3	1.1	0.0	0.1	0.0	0.1	30,452	93.1	1.5	1.4	2.5	1.4	0.1	0.1	0.0	0.1	17,986
Mwala	92.4	0.9	0.1	0.4	5.8	0.1	0.0	0.0	0.2	19,962	93.8	0.7	0.1	0.4	4.7	0.1	0.1	0.0	0.1	15,490
Makueni County	85.9	0.8	0.2	1.2	11.5	0.2	0.1	0.0	0.1	108,060	87.5	0.7	0.1	1.1	10.3	0.1	0.1	0.0	0.1	76,434
Mbooni	91.2	0.6	0.0	1.4	6.3	0.2	0.1	0.0	0.1	21,097	91.9	0.6	0.0	1.4	5.7	0.1	0.0	0.0	0.2	17,139
Kilome	86.7	0.7	0.3	1.6	9.9	0.2	0.1	0.0	0.3	11,342	87.8	0.5	0.3	1.5	9.6	0.1	0.1	0.0	0.1	8,111
Kaiti	92.3	0.7	0.3	1.1	5.3	0.1	0.1	0.0	0.0	13,556	93.2	0.7	0.2	0.8	4.8	0.1	0.1	0.1	0.0	11,170
Makueni	79.1	0.7	0.1	0.7	19.2	0.0	0.0	0.0	0.1	23,388	80.4	0.7	0.1	0.8	17.7	0.0	0.0	0.0	0.2	15,332
Kibwezi West	86.1	0.8	0.2	0.9	11.4	0.3	0.1	0.0	0.1	22,272	87.3	0.7	0.1	0.6	10.9	0.3	0.0	0.0	0.1	13,756
Kibwezi East	82.6	1.3	0.2	2.0	13.3	0.5	0.0	0.1	0.1	16,405	84.6	0.9	0.1	1.8	12.3	0.2	0.0	0.1	0.0	10,926
Garissa County	27.0	0.8	0.1	1.4	64.1	5.5	0.2	0.4	0.6	53,423	39.1	0.8	0.1	1.7	52.1	4.7	0.1	0.4	1.0	15,946
Garissa Township	73.8	1.7	0.4	3.5	12.5	5.5	0.2	0.9	1.6	13,752	78.9	1.3	0.3	3.4	8.3	4.9	0.1	0.6	2.2	6,106
Balambala	2.9	0.6	0.1	0.4	80.8	15.0	0.1	0.1	0.1	8,823	4.8	0.6	0.1	0.2	77.1	17.1	0.1	-	-	1,843
Lagdera	7.3	0.2	0.0	0.2	87.0	5.0	0.1	0.2	0.0	10,087	11.7	0.3	-	0.3	82.7	4.4	0.3	0.2	0.1	1,587
Dadaab	12.9	0.5	0.1	1.2	80.7	3.3	0.4	0.6	0.4	7,424	18.2	0.9	-	1.3	76.5	1.7	0.3	0.8	0.4	1,820

Fafi	9.0	0.4	-	0.8	87.6	1.7	0.1	0.2	4,326	10.4	0.5	-	0.8	86.2	1.8	-	0.1	0.3	1,759	
Ijara	21.6	0.5	0.1	0.9	75.9	0.5	0.1	0.1	9,011	22.1	0.2	0.0	0.7	76.4	0.3	0.1	0.0	0.1	2,831	
Wajir County	8.9	0.3	0.1	0.4	87.4	2.2	0.1	0.2	0.3	62,285	14.4	0.4	0.2	0.5	82.1	2.0	0.1	0.2	0.2	14,755
Wajir North	9.6	0.2	0.0	0.2	87.7	1.4	0.1	0.3	0.4	11,685	16.1	0.3	-	0.2	80.8	1.8	-	0.1	0.6	2,325
Wajir East	21.4	0.6	0.4	0.4	76.5	0.4	0.1	0.0	0.2	11,499	27.4	0.7	0.5	0.5	70.4	0.5	0.1	-	0.0	4,305
Turbaj	0.9	0.2	-	0.1	98.3	0.3	0.1	0.0	0.1	8,793	0.8	0.1	-	0.1	98.3	0.4	0.1	0.1	0.1	1,573
Wajir West	4.6	0.2	0.0	0.2	89.8	4.6	0.2	0.1	0.4	9,887	3.2	0.2	-	0.1	92.3	3.7	0.1	0.2	0.4	1,992
Eldas	1.7	0.2	0.1	0.9	88.1	8.2	0.4	0.0	0.4	7,625	1.9	0.2	-	0.7	87.7	9.2	-	-	0.3	1,562
Wajir South	10.3	0.4	0.0	0.8	87.3	0.3	0.1	0.4	0.4	12,796	15.5	0.2	0.1	1.1	81.8	0.2	0.1	0.8	0.2	2,998
Mandera County	10.4	0.4	0.1	0.4	62.9	24.7	0.1	0.2	0.8	97,817	16.3	0.8	0.1	0.7	58.4	22.4	0.1	0.2	0.9	22,260
Mandera West	14.5	0.3	0.1	0.1	83.5	0.8	0.2	0.4	0.0	14,614	16.6	0.3	0.1	0.2	81.9	0.5	-	0.4	0.1	2,808
Banissa	8.1	0.3	0.0	0.7	75.5	14.9	0.1	0.2	0.1	15,916	9.5	0.2	0.0	2.1	74.6	13.0	0.1	0.4	0.1	2,960
Mandera North	5.2	1.4	0.1	0.4	54.3	37.2	0.1	0.3	1.0	16,318	7.1	3.5	0.2	1.0	53.5	33.0	0.1	0.3	1.3	3,852
Mandera South	11.1	0.2	0.1	0.2	86.8	1.2	0.1	0.1	0.1	23,630	13.7	0.2	0.1	0.2	83.5	1.8	0.1	0.2	0.2	5,274
Mandera East	26.6	0.3	0.3	0.8	26.3	44.6	0.1	0.3	0.5	12,070	38.8	0.3	0.2	0.6	26.9	31.7	0.1	0.2	1.1	4,823
Lafey	0.5	0.1	0.0	0.0	31.2	64.8	0.1	0.0	3.2	15,269	0.7	0.2	0.1	0.0	28.9	66.3	-	0.1	3.7	2,543
Siaya County	61.9	0.6	0.1	0.9	35.8	0.1	0.2	0.0	0.3	106,856	70.4	0.6	0.1	0.9	27.6	0.1	0.1	0.0	0.1	88,552
Ugenya	47.6	0.6	0.0	0.6	50.8	0.1	0.3	0.0	0.0	12,407	57.7	0.5	0.0	0.8	40.6	0.1	0.3	0.0	0.0	13,183
Ugurja	57.3	0.6	0.2	0.5	41.0	0.2	0.1	0.0	0.1	11,367	65.8	0.6	0.1	0.5	32.7	0.3	0.0	-	0.1	10,590

Alego Usonga	57.6	0.6	0.3	15	39.8	0.1	0.0	23,580	64.8	0.6	0.1	1.3	33.0	0.1	0.0	0.1	0.0	0.0	20,877	
Gem	59.5	0.6	0.1	0.9	38.2	0.1	0.0	0.6	20,258	72.8	0.6	0.0	1.1	25.0	0.0	0.0	0.0	0.4	16,138	
Bondo	75.1	0.7	0.1	1.1	22.0	0.2	0.0	0.6	22,004	82.3	0.7	0.1	1.1	15.2	0.0	0.2	0.0	0.3	14,352	
Ranieda	66.9	0.6	0.1	0.6	31.1	0.1	0.5	0.0	0.1	17,240	79.5	0.6	0.0	0.5	18.9	0.0	0.4	0.0	0.0	13,412
Kisumu County	83.5	1.8	1.2	2.6	10.1	0.1	0.2	0.1	0.4	141,137	87.2	1.4	0.9	2.6	7.4	0.1	0.2	0.0	0.3	80,720
Kisumu East	94.3	0.6	0.6	1.1	2.9	0.0	0.3	0.1	0.2	26,645	95.3	0.8	0.5	1.3	1.7	0.0	0.2	0.0	0.1	10,262
Kisumu West	85.4	1.8	0.3	2.3	9.7	0.1	0.1	0.0	0.1	17,981	90.7	0.9	0.1	2.0	6.1	0.0	0.1	0.0	0.0	10,493
Kisumu Central	83.5	5.0	4.4	5.6	0.1	0.0	0.1	0.1	1.2	31,231	79.3	5.8	5.2	8.1	0.1	0.0	0.2	0.0	1.4	11,831
Seme	68.8	0.5	0.0	0.9	29.4	0.2	0.0	0.0	0.1	11,755	78.7	0.4	0.0	1.1	19.6	0.1	0.0	0.0	0.0	10,893
Nyando	81.2	0.5	0.1	0.9	17.0	0.1	0.1	0.0	0.1	16,676	89.4	0.5	0.0	1.0	8.7	0.0	0.2	0.0	0.1	13,192
Muhoroni	74.7	1.3	0.1	3.6	19.5	0.3	0.3	0.1	0.2	22,188	82.5	0.9	0.0	3.4	12.5	0.3	0.2	0.0	0.1	10,722
Nyakach	89.5	0.7	0.1	1.5	7.4	0.2	0.6	0.0	0.0	14,661	93.8	0.5	0.1	1.2	3.9	0.1	0.4	0.0	0.0	13,327
Homa Bay County	79.4	0.6	0.1	1.6	17.8	0.1	0.2	0.0	0.1	114,397	85.8	0.5	0.0	1.6	11.6	0.1	0.2	0.0	0.1	88,795
Kasipul	89.7	0.5	0.2	1.7	7.6	0.1	0.0	0.1	0.0	13,329	94.1	0.5	0.1	1.0	4.1	0.1	0.0	0.1	0.0	10,876
Kabondo Kasipul	85.1	0.6	0.0	1.4	12.7	0.0	0.0	0.1	0.1	11,786	90.4	0.6	0.0	1.5	7.4	0.0	0.0	0.0	0.0	10,217
Karachuonyo	87.8	0.6	0.1	2.4	8.7	0.2	0.1	0.0	0.0	18,869	92.6	0.6	0.0	2.2	4.3	0.1	0.2	0.0	0.0	15,064
Rangiwe	85.3	0.5	0.0	1.2	12.6	0.2	0.2	0.0	0.0	10,899	90.3	0.4	0.0	1.8	6.9	0.4	0.2	0.0	-	9,762
Homa Bay Town	87.9	1.1	0.1	0.9	9.1	0.1	0.2	0.0	0.6	12,661	91.1	0.8	0.1	1.0	6.3	0.0	0.4	-	0.3	8,648
Ndhiwa	59.1	0.4	0.1	1.6	38.3	0.2	0.2	0.1	0.1	19,706	70.3	0.5	0.0	1.8	26.9	0.1	0.2	0.0	0.1	16,818

Suba North	85.4	0.5	0.1	1.0	12.0	0.2	0.8	0.0	0.1	14,463	89.8	0.5	0.0	0.9	7.6	0.3	0.6	0.1	0.1	9,077
Suba South	62.4	0.3	0.1	2.0	35.1	0.1	0.0	-	12,684	72.9	0.4	0.0	2.0	24.5	0.1	0.0	0.0	0.0	0.0	8,333
Migori County	73.9	0.6	0.1	2.6	22.4	0.1	0.1	0.1	102,882	78.8	0.7	0.1	2.3	17.8	0.1	0.1	0.0	0.1	0.1	63,605
Rongo	88.0	0.5	0.2	2.6	8.1	0.2	0.0	0.1	0.2	11,204	91.8	0.6	0.2	2.3	4.8	0.1	0.0	0.0	0.2	8,295
Awendo	89.7	0.6	0.0	4.0	5.4	0.1	0.0	0.1	0.0	13,563	94.1	0.9	0.0	1.8	3.0	0.0	0.1	0.1	0.0	8,256
Suna East	79.4	0.9	0.3	3.2	15.8	0.1	0.1	0.0	0.1	11,774	84.8	1.4	0.3	2.8	10.5	0.1	0.0	0.0	0.0	6,890
Suna West	68.2	0.7	0.2	1.7	29.0	0.2	0.0	0.1	0.0	11,093	72.3	0.7	0.2	2.0	24.7	0.2	0.0	0.0	0.0	7,128
Urtiri	79.7	0.6	0.0	1.6	17.9	0.1	-	0.0	0.1	12,534	85.6	0.5	0.0	2.2	11.6	0.0	0.0	0.0	0.0	8,333
Nyatiike	61.6	0.3	0.0	1.7	35.8	0.2	0.2	0.0	0.2	15,417	71.4	0.5	0.0	1.8	25.9	0.1	0.1	0.1	0.2	11,916
Kuria West	70.6	0.5	0.2	2.8	25.5	0.0	0.2	0.1	0.2	18,711	69.4	0.3	0.2	2.8	26.6	0.1	0.3	0.0	0.3	8,643
Kuria East	51.5	0.5	0.0	3.6	43.9	0.1	0.1	0.0	0.2	8,586	51.4	0.6	0.0	3.3	44.4	-	0.1	-	0.3	4,144
Kisii County	82.7	0.6	0.7	3.3	12.0	0.2	0.3	0.0	0.1	155,419	84.8	0.5	0.6	3.3	10.2	0.2	0.3	0.0	0.1	81,069
Bonchari	87.1	0.5	0.4	2.8	8.5	0.2	0.1	0.0	0.3	15,315	87.8	0.4	0.3	2.3	8.6	0.1	0.1	0.0	0.2	8,070
South Mugirango	79.0	0.5	0.1	3.4	16.4	0.1	0.3	0.1	0.0	21,319	83.8	0.4	0.1	3.6	11.6	0.1	0.2	0.0	0.0	10,065
Bomachoge Borabu	78.2	0.4	0.1	3.6	16.5	0.6	0.5	0.0	0.1	13,470	80.0	0.4	0.1	4.5	13.5	0.8	0.7	0.0	0.1	6,796
Bobasi	79.8	0.5	0.2	3.4	15.6	0.1	0.3	0.0	0.1	24,854	82.0	0.5	0.1	2.9	13.9	0.0	0.5	0.1	0.0	13,662
Bomachoge Chache	82.7	0.7	0.3	3.4	12.5	0.0	0.3	-	0.1	12,081	84.7	0.4	0.2	3.6	10.6	0.0	0.5	-	0.0	6,005
Nyaribari Masaba	78.7	0.6	0.1	5.3	15.1	0.1	0.0	0.0	0.0	16,271	81.1	0.5	0.1	5.5	12.7	0.1	0.0	0.1	0.0	9,183
Nyaribari Chache	86.6	0.8	1.2	2.6	7.8	0.3	0.5	0.1	0.2	18,919	88.6	0.9	1.2	2.5	6.1	0.3	0.3	0.0	0.2	8,976

Kitutu Chache North	84.9	0.4	0.1	3.8	10.4	0.2	0.1	0.0	13,427	86.7	0.5	0.1	3.7	8.6	0.2	0.0	0.1	0.0	8,945	
Kitutu Chache South	88.3	0.9	3.4	1.8	4.6	0.1	0.7	0.0	0.3	19,763	89.1	0.8	2.7	1.8	4.8	0.0	0.6	0.0	0.2	9,367
Nyamira County	89.2	0.9	0.2	1.7	7.5	0.1	0.1	0.0	0.3	85,702	90.3	0.7	0.2	1.9	6.4	0.1	0.1	0.0	0.3	42,033
Kitutu Masaba West	86.2	0.6	0.2	1.9	10.5	0.2	0.0	0.1	27,112	87.6	0.7	0.1	2.1	8.8	0.2	0.3	0.0	0.0	15,296	
Mugirango North	91.9	0.7	0.4	1.4	5.3	0.1	0.0	0.1	22,549	93.1	0.4	0.4	1.8	4.2	0.0	0.0	0.0	0.0	11,348	
Mugirango Borabu	90.3	0.4	0.1	1.1	8.0	0.1	0.0	0.0	17,581	91.9	0.3	0.1	1.1	6.3	0.1	-	0.0	0.2	7,653	
Turkana County	89.4	1.9	0.2	2.4	5.1	0.1	0.1	0.0	18,460	90.1	1.4	0.2	2.2	4.8	0.1	0.0	0.0	1.1	7,736	
Turkana North	4.7	0.2	0.0	0.2	63.2	120	3.9	0.1	15.6	12,103	3.3	0.3	0.0	0.3	54.1	12.6	7.4	0.3	216	7,196
Turkana West	15.6	0.8	0.0	1.0	59.7	13.7	0.4	0.1	8.7	13,666	10.2	0.6	-	1.4	61.2	14.8	0.3	0.1	113	7,687
Turkana Central	26.4	0.2	0.0	1.7	9.0	52.9	0.0	0.1	9.6	12,369	22.0	0.2	0.0	1.4	8.0	56.9	0.1	0.1	114	9,412
Loima	1.7	0.3	0.1	0.1	15.9	52.1	0.3	0.1	29.4	9,246	1.2	0.3	0.0	0.1	13.7	55.1	0.4	0.1	29.2	7,039
Turkana South	17.2	0.6	0.0	1.4	38.0	37.5	0.3	0.1	4.9	11,480	19.4	0.3	0.0	1.6	40.8	33.0	0.2	0.1	4.6	5,392
Turkana East	6.9	0.2	0.1	0.5	17.8	62.5	0.1	0.8	11.1	8,217	6.1	0.1	0.3	0.3	15.1	66.7	0.1	0.3	11.0	2,747
West Pokot County	27.1	0.7	0.0	0.8	67.6	0.2	0.1	3.3	0.2	51,791	26.3	0.5	0.0	0.8	67.0	0.3	0.1	5.0	0.1	27,155
Kapenguria	46.3	1.0	0.0	1.2	50.9	0.1	0.1	0.2	0.1	17,559	46.2	0.6	0.0	1.1	51.6	0.1	0.1	0.1	0.1	9,101
Sigor	12.2	0.3	0.0	0.3	86.6	0.1	0.0	0.2	0.2	10,370	12.8	0.2	0.0	0.4	86.2	0.1	0.1	0.2	0.0	4,470
Kacheliba	7.5	0.6	0.0	0.3	74.6	0.3	16.1	0.3	9,442	4.4	0.3	-	0.2	73.3	0.3	0.1	21.1	0.3	5,886	
Pokot South	27.2	0.5	0.1	0.9	69.7	0.4	0.0	1.0	0.1	14,420	27.4	0.5	0.0	1.1	69.4	0.5	-	1.2	-	7,688

Samburu County	25.9	0.7	0.1	1.0	11.5	11.7	2.1	31.7	15.2	23,787	18.2	0.7	0.0	0.6	10.2	12.4	2.9	44.8	10.1	21,576
Samburu West	44.0	0.8	0.1	1.6	9.7	6.7	0.3	31.4	5.5	8,837	31.3	0.4	0.0	1.0	8.6	5.3	0.4	49.0	3.9	8,118
Samburu North	10.7	0.1	0.1	0.3	15.8	14.6	2.6	30.9	24.8	8,848	8.1	0.2	0.0	0.2	15.6	16.2	3.3	41.8	14.6	6,976
Samburu East	21.9	1.5	0.1	1.0	8.1	14.7	4.1	33.4	15.3	6,102	12.8	1.7	0.0	0.6	6.2	17.3	5.6	42.9	12.9	6,482
Trans-Nzoia County	81.0	1.0	0.2	2.8	13.9	0.2	0.1	0.0	0.7	117,604	82.8	1.0	0.2	2.8	12.2	0.2	0.1	0.1	0.8	48,993
Kwanza	81.4	0.8	0.1	2.9	13.9	0.1	0.1	0.1	0.6	22,672	83.0	0.8	0.2	2.6	12.3	0.2	0.0	0.1	0.8	9,714
Endebess	49.8	0.9	0.0	2.5	45.0	0.6	0.1	0.0	1.0	13,017	49.5	0.7	0.0	2.6	45.1	0.6	-	-	13	4,488
Saboti	81.1	1.2	0.4	3.9	11.6	0.1	0.1	0.1	1.5	28,605	81.1	1.3	0.4	4.1	10.7	0.1	0.0	0.1	2.2	10,218
Kiminini	89.5	1.5	0.1	2.8	5.5	0.1	0.1	0.0	0.4	26,895	91.4	1.4	0.1	2.7	4.1	0.1	0.0	0.0	0.2	12,446
Cherangany	87.2	0.5	0.1	1.8	9.6	0.1	0.3	0.0	0.3	26,415	87.4	0.6	0.0	2.0	9.4	0.1	0.2	0.0	0.2	12,127
Baringo County	59.4	1.1	0.1	1.6	36.9	0.2	0.1	0.1	0.5	69,621	54.0	0.8	0.1	1.3	43.1	0.1	0.1	0.1	0.4	37,512
Tiaty	9.1	0.5	0.0	0.3	89.0	0.7	0.1	0.1	0.3	12,501	5.6	0.2	0.0	0.1	93.6	0.2	0.0	0.1	0.1	8,651
Baringo North	54.4	0.9	0.1	1.2	43.1	0.1	0.1	0.1	0.1	12,125	53.0	0.9	-	1.3	44.4	0.1	0.1	0.0	0.1	6,810
Baringo Central	80.6	2.0	0.2	2.3	14.7	0.0	0.1	0.0	0.1	10,369	79.5	1.6	0.1	2.3	16.3	0.0	0.1	0.1	0.0	5,496
Baringo South	63.0	0.8	0.1	1.9	33.6	0.2	0.2	0.0	0.2	10,976	57.5	0.7	0.0	1.3	39.9	0.2	0.2	0.1	0.1	5,847
Mogotio	67.5	1.2	0.0	0.2	29.9	0.3	0.0	0.0	0.9	7,914	70.9	0.9	-	0.1	27.2	0.2	0.0	-	0.8	3,939
Eldama Ravine	82.8	1.3	0.3	2.8	11.2	0.1	0.2	0.1	1.2	15,736	83.3	0.8	0.3	2.7	11.0	0.1	0.2	0.1	1.4	6,770
UasinGishu County	84.8	2.9	0.6	2.5	7.5	0.1	0.2	0.1	1.3	141,378	83.4	3.5	0.5	2.6	8.3	0.1	0.2	0.0	1.4	56,691
Soy	84.4	0.8	0.2	1.7	12.3	0.1	0.3	0.1	0.1	21,928	85.0	1.0	0.2	1.5	11.8	0.0	0.3	0.1	0.0	10,152

Turbo	85.6	2.7	1.3	3.2	6.6	0.0	0.2	0.1	0.4	35,548	84.5	3.3	0.8	3.8	7.1	0.0	0.3	0.1	0.2	14,244
Moiben	84.7	1.9	0.7	2.2	9.5	0.1	0.1	0.1	0.7	24,201	84.5	1.7	0.6	2.4	9.9	0.1	0.2	0.0	0.7	9,437
Ainabkoi	74.3	9.3	0.3	3.5	8.3	0.1	0.1	0.0	4.1	15,607	70.8	12.4	0.3	3.0	9.1	0.1	0.0	0.0	4.2	6,634
Kapserset	92.3	1.2	0.5	2.3	2.9	0.1	0.0	0.1	0.6	25,440	90.5	1.4	0.6	2.7	3.5	0.1	0.0	0.0	1.1	8,535
Kesses	82.6	4.2	0.2	2.0	6.9	0.2	0.2	0.0	3.7	18,654	80.8	3.9	0.4	1.9	8.7	0.2	0.1	0.0	4.1	7,689
Elgeyo Marakwet County	58.7	1.0	0.1	1.1	38.1	0.2	0.2	0.1	0.6	52,320	56.0	0.8	0.1	1.1	41.3	0.2	0.1	0.1	0.4	23,429
Marakwet East	25.4	0.4	0.0	0.6	71.9	0.1	0.2	0.1	1.2	11,697	27.5	0.4	0.1	0.4	70.4	0.1	0.0	0.1	0.9	5,951
Marakwet West	62.7	1.1	0.1	0.9	33.4	0.4	0.4	0.2	1.0	14,655	62.0	0.9	0.1	1.1	34.7	0.4	0.1	0.1	0.5	6,313
Keiyo North	66.6	1.4	0.2	1.4	30.2	0.3	0.0	0.0	0.0	10,644	65.0	1.2	0.3	1.2	31.9	0.2	0.1	0.0	0.0	4,582
Keiyo South	74.7	1.0	0.1	1.6	22.3	0.1	0.1	0.0	0.2	15,324	69.7	0.8	0.0	1.5	27.7	0.1	0.0	-	0.2	6,583
Nandi County	81.3	0.8	0.1	1.3	15.3	0.1	0.1	0.0	0.9	108,390	83.3	0.7	0.1	1.4	13.4	0.1	0.2	0.0	0.7	42,105
Tinderet	66.4	0.6	0.1	1.4	30.3	0.0	0.1	-	1.0	14,586	67.1	0.5	0.0	1.3	30.3	0.0	0.0	0.0	0.7	4,505
Aldai	80.8	0.5	0.0	2.0	15.8	0.2	0.2	-	0.4	20,571	84.2	0.6	0.0	2.9	11.3	0.1	0.3	0.0	0.5	8,213
Nandi Hills	88.4	0.5	0.1	0.4	7.7	0.1	0.0	0.1	2.6	18,334	86.7	0.8	0.2	0.4	9.9	0.2	0.0	0.0	1.8	5,681
Chesumei	86.9	1.5	0.1	1.5	9.1	0.1	0.1	0.0	0.6	18,003	88.4	0.9	0.1	1.2	8.3	0.0	0.2	0.0	0.7	8,006
Engwen	87.5	0.9	0.1	1.1	9.3	0.1	0.2	0.0	0.8	18,962	89.2	0.8	0.1	1.0	7.8	0.0	0.3	0.0	0.7	7,917
Mosop	74.6	0.7	0.0	1.5	22.8	0.1	0.1	0.0	0.1	17,934	78.1	0.6	-	1.5	19.5	0.2	0.1	0.0	0.1	7,783
Laikipia County	82.0	1.6	1.5	2.8	8.5	0.4	0.6	1.7	0.8	62,287	77.1	1.1	1.4	2.8	11.4	0.4	0.7	4.2	0.8	34,825
Laikipia West	87.8	1.3	1.0	2.8	5.9	0.2	0.1	0.4	0.4	30,852	84.7	0.9	1.1	3.0	8.1	0.3	0.1	1.1	0.6	17,108

Laikipia East	89.3	2.7	29	1.8	0.9	0.3	1.8	0.0	0.3	20,397	89.8	2.0	28	1.7	1.0	0.2	2.1	0.0	0.3	10,613
Laikipia North	52.6	0.5	0.0	4.6	29.9	1.3	0.1	8.1	3.0	11,038	39.6	0.3	0.0	4.1	34.9	1.0	0.1	18.1	1.7	7,104
Nakuru County	86.8	2.1	0.8	3.2	5.7	0.2	0.3	0.1	0.8	275,541	86.4	1.9	0.9	3.3	6.0	0.2	0.3	0.1	0.9	126,104
Molo	90.9	1.3	0.4	3.0	2.6	0.2	0.5	0.1	0.9	20,787	91.6	1.1	0.4	2.6	2.5	0.1	0.7	0.1	0.9	9,120
Njoro	88.2	0.8	0.2	3.2	7.3	0.1	0.1	0.0	0.2	27,929	87.7	0.6	0.2	3.4	7.8	0.1	0.1	0.0	0.1	14,393
Naivasha	90.0	1.1	1.0	3.4	2.2	0.1	0.1	0.2	1.9	45,578	91.0	0.9	1.2	3.3	1.9	0.0	0.1	0.1	1.6	21,699
Gigil	89.2	2.0	0.5	2.3	2.7	0.1	0.2	0.3	2.6	23,830	88.8	2.0	0.3	2.6	2.1	0.1	0.3	0.4	3.6	12,469
Kuresoi South	59.4	0.6	0.0	2.3	36.4	0.7	0.2	0.0	0.3	15,965	59.2	0.6	0.0	2.2	36.4	1.0	0.1	0.1	0.3	6,975
Kuresoi North	72.4	0.7	0.1	3.7	21.5	0.5	0.1	0.0	0.9	17,798	70.1	0.5	0.1	3.7	23.4	0.7	0.1	0.0	1.4	8,250
Subukia	95.1	0.8	0.3	0.5	2.4	0.1	0.1	0.6	0.1	13,729	95.1	0.8	0.3	0.4	2.7	0.1	0.0	0.5	0.2	8,031
Rongai	87.6	2.7	0.1	2.1	6.6	0.1	0.0	0.0	0.6	20,986	87.1	2.4	0.1	2.0	7.4	0.2	0.0	0.0	0.8	9,846
Bahati	96.3	1.0	0.2	1.5	0.2	0.1	0.1	0.2	0.4	23,855	95.8	1.1	0.2	1.7	0.4	0.1	0.1	0.3	0.4	11,087
Nakuru Town West	91.5	3.1	2.3	2.5	0.1	0.0	0.3	0.1	0.1	34,488	88.0	4.3	4.2	2.7	0.1	0.1	0.4	0.0	0.2	10,649
Nakuru Town East	82.1	6.9	2.1	7.8	0.0	0.0	1.0	0.1	0.0	30,596	81.6	6.0	2.5	8.9	0.0	0.1	0.8	0.0	0.0	13,585
Narok County	50.1	0.5	0.1	3.0	34.8	1.2	0.4	7.9	2.0	107,586	45.8	0.4	0.1	2.9	30.7	1.1	0.3	17.4	1.2	56,237
Kilgoris	34.7	0.4	0.1	2.0	61.1	0.6	0.2	0.6	0.2	21,420	36.3	0.3	0.1	2.1	59.3	0.6	0.1	1.0	0.3	10,285
Emurua Dikirr	17.1	0.3	0.1	0.7	81.4	0.1	0.2	0.0	0.0	11,447	17.8	0.2	0.0	0.9	80.6	0.1	0.3	0.0	0.1	4,900
Narok North	77.9	0.7	0.3	4.7	8.0	2.4	0.8	1.5	3.8	26,091	79.2	0.8	0.3	5.1	7.1	2.4	0.8	2.3	2.1	11,563
Narok East	57.7	0.7	0.0	6.8	16.0	1.8	0.5	11.7	4.8	11,150	51.0	0.8	0.1	6.2	17.2	1.9	0.5	19.1	3.3	6,155
Narok South	48.7	0.5	0.0	1.9	33.7	0.9	0.2	12.9	1.1	21,687	40.2	0.3	0.1	1.7	27.6	0.6	0.2	28.6	0.7	12,184

Narok West	45.5	0.4	0.1	2.0	24.3	0.7	0.3	24.6	2.1	15,791	35.6	0.2	0.0	1.6	17.9	0.5	0.2	42.6	1.2	11,150
Kajiado County	71.0	4.3	3.5	3.3	8.7	0.4	0.4	7.4	0.9	116,882	58.2	3.1	2.7	14.7	0.4	0.4	16.5	1.0	53,247	
Kajiado North	82.9	7.8	5.4	3.0	0.0	0.1	0.2	0.1	0.6	43,060	81.3	7.6	7.1	3.0	0.0	0.1	0.2	0.1	0.6	13,618
Kajiado Central	56.7	0.7	0.2	3.1	9.2	0.2	0.1	28.5	12	12,749	38.6	0.7	0.1	1.7	14.5	0.3	0.1	43.1	0.9	9,649
Kajiado East	79.4	3.3	5.7	4.8	1.4	0.2	0.3	4.6	0.3	26,610	74.1	2.3	5.6	4.2	2.4	0.1	0.4	10.8	0.2	10,079
Kajiado West	54.5	3.9	1.5	2.5	15.9	0.9	0.1	18.7	2.0	15,913	37.1	3.0	0.9	1.6	23.4	0.8	0.2	30.4	2.5	9,319
Kajiado South	55.4	0.6	0.1	3.0	32.6	1.3	1.2	4.3	1.3	18,550	49.6	0.6	0.1	2.9	37.9	0.7	0.9	6.4	0.9	10,582
Kericho County	83.4	0.8	0.7	1.2	13.1	0.1	0.2	0.1	0.3	112,374	82.7	0.7	0.6	1.1	14.1	0.1	0.3	0.1	0.3	41,758
Kipelion East	88.3	0.6	0.0	0.3	10.3	0.1	0.1	0.0	0.2	15,338	88.0	0.6	0.1	0.2	10.6	0.2	0.1	0.0	0.2	7,182
Kipelion West	71.8	0.8	0.0	1.5	25.4	0.1	0.1	0.0	0.2	13,474	73.2	0.6	0.0	1.7	24.0	0.1	0.1	0.1	0.2	5,390
Ainamoi	85.3	1.4	0.7	2.3	9.4	0.0	0.5	0.0	0.4	23,828	84.7	1.2	0.9	2.2	10.0	0.1	0.6	0.0	0.2	8,439
Bureti	90.3	0.8	0.1	0.8	7.1	0.2	0.2	0.0	0.3	23,043	89.2	0.7	0.1	0.8	8.1	0.1	0.4	0.0	0.5	8,517
Belgut	89.1	0.6	2.7	0.8	6.2	0.1	0.1	0.1	0.3	21,885	88.1	0.4	2.1	0.9	7.7	0.2	0.1	0.1	0.4	6,710
Sigowet/Soin	66.8	0.7	0.2	1.0	30.7	0.1	0.0	0.2	0.2	14,806	65.5	0.6	0.1	0.7	32.5	0.1	0.0	0.3	0.2	5,520
Bomet County	69.5	1.1	1.2	1.5	25.5	0.2	0.3	0.1	0.5	98,022	65.4	0.8	0.7	1.3	30.9	0.2	0.3	0.1	0.3	43,197
Sotik	69.5	2.4	0.3	1.4	26.1	0.1	0.1	0.1	0.1	21,807	65.5	1.2	0.2	1.2	31.4	0.1	0.1	0.2	0.1	10,071
Chepalungu	45.1	0.5	0.0	0.9	53.1	0.1	0.2	0.1	0.0	19,133	46.7	0.5	0.0	0.9	51.5	0.1	0.2	-	0.0	10,961
Bomet East	64.4	0.6	0.1	0.7	33.5	0.5	0.1	0.1	0.0	15,693	63.8	0.5	0.1	0.7	34.2	0.3	0.1	0.1	0.1	8,204
Bomet Central	80.9	0.7	0.5	2.1	14.9	0.3	0.4	0.2	0.1	17,140	77.1	0.6	0.5	1.9	18.9	0.4	0.4	0.1	0.0	6,432

Konoin	84.1	0.8	4.3	2.3	5.4	0.1	0.8	0.0	2.1	24,249	84.2	1.0	3.0	2.5	6.9	0.2	0.6	0.0	1.5	7,529
Kakamega County	73.6	0.6	0.1	2.3	23.0	0.1	0.2	0.0	0.1	228,905	82.2	0.6	0.1	2.4	14.2	0.1	0.2	0.0	0.1	120,830
Lugari	78.9	0.5	0.1	2.8	17.4	0.1	0.1	0.0	0.1	22,331	85.6	0.6	0.1	3.1	10.5	0.0	0.0	0.0	0.1	10,920
Likuyani	89.5	0.7	0.1	1.7	7.6	0.1	0.2	0.0	0.1	16,819	91.9	0.7	0.2	1.8	4.9	0.1	0.3	0.0	0.1	8,871
Malaya	53.9	0.3	0.0	3.4	42.0	0.0	0.1	0.0	0.2	28,043	66.5	0.3	0.1	4.3	28.3	0.0	0.0	0.0	0.4	12,010
Lurambi	89.1	1.0	0.6	1.7	7.1	0.0	0.1	0.1	0.3	25,444	92.3	1.1	0.6	2.0	3.6	0.1	0.1	0.1	0.2	10,753
Navalkholo	62.4	0.5	0.0	1.8	35.0	0.2	0.0	0.0	0.0	17,696	74.2	0.6	0.1	2.2	22.8	0.1	0.0	0.0	0.0	9,411
Mumias West	72.7	0.4	0.2	4.6	21.3	0.0	0.4	0.1	0.3	17,209	79.8	0.5	0.2	2.8	16.4	0.0	0.2	0.0	0.2	8,706
Mumias East	71.3	0.4	0.0	2.1	25.9	0.0	0.2	0.0	-	13,865	83.6	0.6	0.1	2.1	13.5	0.0	0.1	0.0	-	7,283
Matungu	60.0	0.6	0.0	0.7	37.4	0.1	0.7	0.0	0.3	20,053	71.2	0.6	0.0	0.5	26.8	0.1	0.7	0.1	0.1	10,433
Butere	70.0	0.5	0.1	1.7	27.5	0.1	0.0	0.0	0.0	19,365	81.9	0.6	0.1	1.8	15.5	-	0.0	0.0	-	11,114
Khwisero	78.3	0.5	0.1	1.4	19.0	0.2	0.3	0.0	0.0	13,476	87.3	0.7	0.1	1.3	9.9	0.2	0.5	0.0	0.0	9,749
Shiriyalu	77.7	0.7	0.1	3.4	18.0	0.1	0.1	0.0	0.0	21,274	83.8	0.6	0.1	4.2	11.1	0.1	0.1	0.0	0.0	12,281
Ikolomani	88.5	0.6	0.1	2.1	8.5	0.2	0.0	0.0	0.0	13,330	92.4	0.6	0.1	2.5	4.2	0.2	0.0	0.0	0.0	9,299
Vitiga County	91.1	0.8	0.2	2.5	4.9	0.1	0.3	0.0	0.1	71,763	94.1	0.6	0.2	2.5	2.3	0.0	0.2	0.0	0.1	48,653
Vihiga	89.7	0.9	0.4	3.5	5.1	0.1	0.0	0.0	0.3	11,899	92.8	0.8	0.3	3.3	2.4	0.0	0.0	0.0	0.3	8,244
Sabatia	91.1	1.0	0.3	3.5	3.6	0.1	0.3	0.0	0.0	15,919	93.6	0.7	0.2	3.4	1.8	0.1	0.2	-	0.0	11,356
Hamisi	90.7	0.6	0.1	2.7	5.2	0.1	0.4	0.1	0.1	18,702	93.5	0.4	0.1	3.0	2.4	0.0	0.4	0.1	0.1	12,022
Luanda	93.1	0.7	0.1	0.3	5.3	0.1	0.1	0.0	0.2	13,708	96.6	0.5	0.1	0.3	2.3	-	0.1	0.0	0.1	8,538
Emuhaya	90.8	0.7	0.1	2.1	5.6	0.2	0.5	0.0	0.0	11,535	94.2	0.5	0.0	2.3	2.4	0.0	0.4	0.0	-	8,493

Bungoma County	75.9	0.5	0.1	2.6	20.3	0.1	0.2	0.0	0.2	180,444	81.4	0.5	0.1	2.8	14.7	0.1	0.2	0.0	0.2	80,184
Mt Elgon	61.4	0.4	0.1	2.0	34.6	0.2	0.0	1.0	22,350	66.9	0.4	0.1	2.5	29.1	0.2	0.1	0.0	0.6	9,237	
Sirisia	60.6	0.4	0.1	2.3	36.3	0.0	0.0	0.1	0.0	13,800	71.7	0.4	0.1	2.4	25.1	0.0	-	0.2	0.0	6,019
Kabuchai	78.4	0.6	0.0	3.7	17.0	0.1	0.0	0.2	18,969	84.1	0.4	0.0	4.3	10.9	0.0	0.0	0.1	0.2	8,291	
Bumula	54.7	0.4	0.0	1.8	42.5	0.1	0.2	0.0	0.1	23,542	62.6	0.4	0.0	2.1	34.4	0.1	0.2	0.0	0.1	10,738
Kanduyi	83.3	0.8	0.4	3.1	11.9	0.1	0.2	0.1	0.1	32,521	87.4	0.7	0.4	3.5	7.7	0.0	0.2	0.0	0.1	13,538
Webuye East	87.0	0.5	0.1	2.6	9.3	0.0	0.4	0.0	0.1	13,141	90.7	0.4	0.0	2.5	5.9	0.1	0.3	0.0	0.1	5,876
Webuye West	84.4	0.5	0.2	3.6	11.0	0.0	0.1	0.0	0.2	16,933	89.0	0.6	0.2	3.7	6.3	-	0.1	0.0	0.2	7,191
Kimilili	86.6	0.4	0.1	3.3	8.6	0.1	0.8	0.0	0.1	16,701	90.2	0.6	0.1	3.2	5.1	0.1	0.6	-	0.1	7,753
Tongaren	88.4	0.6	0.1	1.2	9.6	0.1	0.0	0.0	0.0	22,487	91.3	0.6	0.1	1.4	6.5	0.0	-	0.0	0.0	11,541
Busia County	45.9	0.5	0.1	1.6	51.5	0.2	0.1	0.0	0.2	91,813	55.6	0.5	0.1	1.8	41.8	0.1	0.1	0.0	0.1	56,097
Teso North	36.7	0.4	0.3	0.9	61.4	0.1	0.0	0.0	0.0	15,666	45.7	0.4	0.2	1.0	52.5	0.1	-	0.0	0.1	7,251
Teso South	32.8	0.4	0.0	1.1	65.4	0.1	0.0	-	0.2	16,101	38.9	0.5	0.1	0.8	59.4	0.0	0.0	0.0	0.2	8,350
Nambale	45.2	0.6	0.0	3.9	49.9	0.2	0.1	-	0.0	12,012	55.0	0.5	0.0	3.6	40.5	0.2	0.2	0.0	-	6,660
Matayos	62.9	0.5	0.1	1.2	34.9	0.3	0.0	0.0	0.1	14,853	66.7	0.4	0.2	1.4	31.0	0.2	0.0	0.0	0.0	8,425
Butula	47.0	0.4	0.0	1.4	50.8	0.1	0.2	0.0	0.0	13,820	56.3	0.3	0.0	1.8	41.4	0.0	0.2	0.0	0.0	11,328
Funyula	45.8	0.8	0.0	1.9	51.0	0.2	0.0	0.0	0.2	10,621	59.5	0.6	0.1	2.4	37.0	0.2	0.0	0.0	0.1	7,790
Budalangi	56.8	0.5	0.1	1.5	40.1	0.1	0.0	-	0.9	8,740	68.5	0.5	-	1.8	28.3	0.2	0.1	0.1	0.6	6,293

Annex Table 24: Cooking fuel by county and constituency

County/constituency	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.8	11.7	5.1	0.7	64.4	17.0	0.1	0.3	8,493,380
Rural	0.2	1.4	0.6	0.3	90.3	7.1	0.1	0.1	5,239,879
Urban	1.8	28.3	12.3	1.4	22.7	32.8	0.0	0.6	3,253,501
Nairobi County	2.9	53.9	22.5	2.2	1.4	16.5	0.0	0.6	968,477
Westlands	4.4	41.8	30.1	1.7	2.7	18.8	0.0	0.5	55,568
Dagoreti North	5.8	41.8	28.8	2.6	0.7	19.9	0.0	0.3	56,709
Dagoreti South	1.6	37.5	16.6	3.0	4.4	36.4	0.0	0.5	55,562
Langata	4.0	33.5	40.2	2.0	2.9	16.8	0.0	0.5	52,656
Kibra	2.4	46.7	11.2	1.4	0.9	37.1	0.0	0.4	63,093
Roysambu	2.4	43.7	37.2	2.3	3.2	10.7	0.0	0.6	57,677
Kasarani	2.2	46.6	27.7	2.0	4.0	16.8	0.0	0.7	49,825
Ruaraka	2.4	74.4	8.5	0.8	0.7	12.6	0.0	0.4	60,347
Embakasi South	1.6	63.8	12.5	2.2	0.5	19.0	0.0	0.3	74,703
Embakasi North	2.5	82.4	8.7	1.4	0.4	3.9	0.1	0.6	60,186
Embakasi Central	2.4	66.7	21.1	2.8	0.4	6.0	0.0	0.5	57,762
Embakasi East	3.6	49.1	31.3	2.1	1.2	12.3	0.0	0.5	48,931
Embakasi West	3.1	36.6	49.4	4.7	0.5	5.2	0.0	0.6	44,912
Makadara	2.3	54.2	25.5	2.3	0.5	14.5	0.0	0.7	58,834
Kamukunji	2.4	54.8	12.0	2.4	0.7	25.5	0.0	2.2	58,896
Starehe	5.0	46.7	30.4	4.0	0.7	12.4	0.1	0.8	49,636
Mathare	1.7	79.3	8.1	0.9	0.4	8.7	0.0	0.8	63,180
Nyandarua County	0.2	1.4	1.0	0.3	77.6	19.4	0.1	0.1	140,745
Kinangop	0.2	1.9	1.3	0.2	73.8	22.5	0.0	0.1	44,537
Kipipiri	0.2	1.1	0.5	0.2	86.2	11.7	0.1	0.0	21,804
Ol Kalou	0.4	1.3	1.2	0.3	77.2	19.4	0.1	0.1	26,880
Ol Jorok	0.2	1.3	0.9	0.2	73.8	23.4	0.1	0.1	24,144
Ndaragwa	0.1	0.8	0.6	0.4	81.4	16.3	0.2	0.1	23,380
Nyeri County	0.7	5.3	4.7	0.5	72.8	15.8	0.1	0.2	199,476
Tetu	0.4	1.7	1.5	0.4	91.3	4.6	0.1	0.0	21,428
Kieni	0.4	2.9	2.1	0.3	70.4	23.6	0.1	0.2	50,898
Mathira	1.1	5.6	3.9	0.4	76.9	11.9	0.1	0.1	43,437
Othaya	0.5	4.2	3.0	0.3	86.2	5.7	0.0	0.1	23,907
Mukurwe-Ini	0.2	2.7	1.3	0.3	91.2	4.1	0.1	0.1	23,850
Nyeri Town	1.2	12.9	14.8	1.1	38.8	30.5	0.0	0.6	35,956
Kirinyaga County	0.5	5.4	2.7	0.8	75.4	14.9	0.1	0.2	152,646

Mwea	0.4	6.7	2.6	0.8	65.4	23.7	0.1	0.3	55,098
Gichugu	0.6	2.4	1.4	0.5	88.5	6.6	0.1	0.1	35,870
Ndia	0.7	6.6	2.1	0.8	79.3	10.1	0.1	0.2	29,233
Kirinyaga Central	0.6	5.5	4.8	1.2	74.3	13.4	0.0	0.2	32,445
Muranga County	0.3	5.8	2.0	0.4	84.7	6.6	0.1	0.1	252,176
Kangema	0.3	3.9	1.2	0.3	90.2	3.9	0.0	0.1	21,719
Mathioya	0.3	3.3	1.2	0.3	90.9	3.8	0.1	0.1	24,489
Kiharu	0.4	7.3	3.8	0.4	80.8	7.1	0.1	0.2	50,751
Kigumo	0.2	3.8	1.1	0.3	89.3	5.2	0.0	0.1	32,872
Maragwa	0.4	6.6	2.2	0.5	82.1	7.9	0.1	0.2	39,638
Kandara	0.2	4.9	1.3	0.4	87.6	5.4	0.1	0.1	40,704
Gatanga	0.5	7.9	2.2	0.2	79.1	9.9	0.1	0.1	42,003
Kiambu County	1.1	22.5	13.4	0.9	35.3	26.4	0.0	0.4	456,310
Gatundu South	0.4	5.4	2.6	0.3	84.1	6.9	0.0	0.1	29,618
Gatundu North	0.3	3.6	1.5	0.4	84.3	9.9	0.0	0.1	24,960
Juja	1.6	34.6	14.8	0.5	24.9	23.3	0.0	0.4	36,805
Thika Town	1.0	43.7	16.7	0.8	11.5	25.9	0.0	0.5	51,421
Ruiru	2.1	46.4	23.9	1.8	5.2	20.4	0.0	0.3	63,701
Githunguri	0.7	6.5	4.4	0.6	68.8	18.6	0.0	0.4	38,845
Kiambu	1.4	21.0	19.7	1.4	28.1	28.0	0.0	0.4	31,187
Kiambaa	1.2	26.6	16.8	1.0	20.1	33.4	0.0	0.9	41,543
Kabete	1.1	18.8	15.1	0.9	16.8	46.5	0.0	0.7	40,275
Kikuyu	1.1	13.3	19.4	1.2	29.8	34.8	0.0	0.3	35,459
Limuru	0.8	6.5	6.9	0.5	40.8	44.1	0.0	0.3	32,228
Lari	0.4	2.5	3.1	0.5	73.9	19.4	0.1	0.1	30,268
Mombasa County	2.0	38.5	9.0	1.8	6.4	41.0	0.0	1.3	265,997
Changamwe	1.4	49.1	6.0	1.3	2.1	38.6	0.0	1.5	41,861
Jomvu	1.5	36.0	8.3	0.9	9.0	43.1	0.0	1.1	34,831
Kisauni	1.7	38.1	7.6	1.6	12.1	37.9	0.0	1.0	52,182
Nyali	2.2	42.4	10.3	2.7	3.7	37.3	0.0	1.2	54,570
Likoni	1.5	39.2	2.8	0.7	8.2	46.2	0.1	1.3	49,702
Mvita	4.4	20.4	22.7	3.8	1.7	45.1	0.0	1.8	32,851
Kwale County	0.4	5.7	1.4	0.4	80.4	11.3	0.1	0.2	119,372
Msabweni	1.1	17.6	4.5	0.8	52.6	22.9	0.1	0.5	32,121
Lunga Lunga	0.1	0.7	0.2	0.2	92.8	5.8	0.0	0.2	26,680
Matuga	0.2	2.1	0.6	0.4	88.6	7.9	0.0	0.1	27,745
Kinango	0.1	1.4	0.2	0.2	90.5	7.5	0.0	0.1	32,826

Kilifi County	0.9	7.7	2.1	0.8	67.2	20.8	0.0	0.5	190,729
Kilifi North	0.8	6.1	2.1	1.1	65.0	24.5	0.0	0.4	35,618
Kilifi South	1.4	16.5	4.0	1.2	58.3	17.8	0.1	0.6	35,808
Kaloleni	0.5	4.6	1.1	0.4	72.3	20.5	0.1	0.6	24,455
Rabai	0.6	5.7	0.6	0.5	77.9	14.4	0.0	0.3	15,879
Ganze	0.0	0.4	0.1	0.2	95.1	4.0	0.0	0.1	19,838
Malindi	1.7	12.0	3.8	1.0	38.7	42.0	0.1	0.8	33,182
Magarini	0.6	1.7	0.8	0.6	86.6	9.4	0.0	0.2	25,949
Tana River County	0.1	1.2	0.2	0.2	81.6	16.4	0.0	0.3	45,227
Garsen	0.1	0.7	0.2	0.2	89.1	9.5	0.0	0.2	17,972
Galole	0.1	1.6	0.2	0.3	77.2	20.3	0.1	0.2	11,324
Bura	0.2	1.4	0.1	0.2	76.2	21.4	0.0	0.5	15,931
Lamu County	0.5	3.2	1.0	0.6	71.1	22.6	0.2	0.8	21,058
Lamu East	0.1	2.6	0.2	0.2	90.0	6.4	0.1	0.4	3,522
Lamu West	0.6	3.4	1.2	0.6	67.3	25.9	0.2	0.9	17,536
Taita-Taveta County	0.6	5.0	1.5	0.4	68.7	23.5	0.0	0.3	70,283
Taveta	0.3	3.4	0.8	0.3	68.4	26.4	0.0	0.4	16,115
Wundanyi	0.8	3.9	1.9	0.4	79.9	12.9	0.0	0.1	14,426
Mwatate	0.3	2.2	0.4	0.3	79.6	17.0	0.0	0.2	17,935
Voi	0.9	9.2	2.6	0.7	52.6	33.6	0.1	0.4	21,807
Marsabit County	0.2	1.4	0.2	0.1	91.5	6.2	0.0	0.2	53,599
Moyale	0.3	1.8	0.2	0.1	86.0	11.4	0.1	0.2	15,693
North Horr	0.0	0.2	0.1	0.1	98.2	1.0	0.0	0.3	15,131
Saku	0.6	4.5	0.6	0.3	83.3	10.5	0.0	0.2	9,482
Laisamis	0.0	0.1	0.2	0.1	96.4	3.0	0.0	0.2	13,293
Isiolo County	0.5	2.7	2.1	0.4	64.9	29.1	0.1	0.3	30,877
Isiolo North	0.6	3.5	2.8	0.5	53.5	38.6	0.1	0.3	22,149
Isiolo South	0.0	0.5	0.3	0.1	93.9	4.9	0.1	0.2	8,728
Meru County	0.4	2.6	1.6	0.5	81.9	12.7	0.1	0.3	311,265
Igembe South	0.4	3.6	1.7	0.7	76.9	16.1	0.1	0.5	29,729
Igembe Central	0.2	1.9	0.6	0.4	85.7	10.7	0.1	0.4	38,395
Igembe North	0.3	2.4	0.4	0.4	88.7	7.4	0.1	0.3	29,148
Tigania West	0.2	0.5	0.5	0.3	94.1	4.0	0.2	0.1	28,132
Tigania East	0.1	0.9	0.2	0.4	92.8	5.3	0.1	0.1	30,892
North Imenti	1.1	7.4	6.3	1.1	59.6	24.0	0.1	0.4	40,314
Buuri	0.4	2.2	1.3	0.3	73.5	21.8	0.2	0.3	38,826
Central Imenti	0.2	1.1	0.6	0.3	91.9	5.6	0.1	0.1	29,562

South Imenti	0.4	2.1	1.2	0.4	83.0	12.5	0.1	0.2	46,267
Tharaka Nithi County	0.2	1.7	1.2	0.3	88.9	7.5	0.1	0.1	86,790
Maara	0.2	1.6	1.3	0.3	89.8	6.5	0.1	0.1	27,674
Chuka/Igambangombe	0.2	2.7	1.7	0.4	84.9	10.0	0.1	0.2	32,892
Tharaka	0.1	0.6	0.4	0.2	93.1	5.3	0.1	0.2	26,224
Embu County	0.5	4.1	2.3	0.5	81.1	11.2	0.1	0.2	128,079
Manyatta	0.9	8.1	5.4	0.9	64.1	20.1	0.0	0.4	40,830
Runyenjes	0.3	1.7	0.9	0.4	89.5	7.0	0.0	0.2	36,510
Mbeere South	0.3	2.7	0.8	0.2	88.9	6.9	0.1	0.2	29,929
Mbeere North	0.5	2.1	1.0	0.4	88.7	7.1	0.1	0.1	20,810
Kitui County	0.1	2.0	0.6	0.3	88.6	8.2	0.1	0.1	201,692
Mwingi North	0.1	0.6	0.2	0.1	94.6	4.1	0.1	0.1	25,778
Mwingi West	0.2	3.6	0.8	0.3	81.0	13.9	0.1	0.2	26,387
Mwingi Central	0.1	2.1	0.6	0.3	88.2	8.6	0.0	0.2	24,228
Kitui West	0.1	1.8	0.5	0.3	91.1	6.0	0.1	0.0	21,979
Kitui Rural	0.0	0.6	0.3	0.2	94.0	4.7	0.1	0.1	21,132
Kitui Central	0.3	5.0	1.9	0.6	75.0	16.8	0.1	0.1	28,415
Kitui East	0.0	0.6	0.3	0.2	94.1	4.6	0.1	0.2	23,551
Kitui South	0.1	1.2	0.1	0.3	93.2	5.0	0.1	0.1	30,222
Machakos County	0.5	11.1	3.1	0.7	68.6	15.6	0.1	0.3	260,780
Masinga	0.6	1.9	0.3	0.2	90.8	6.1	0.0	0.1	26,892
Yatta	0.3	6.2	1.1	0.3	80.5	11.4	0.0	0.2	32,655
Kangundo	0.2	2.4	1.0	0.2	86.7	9.3	0.1	0.1	21,841
Matungulu	0.2	4.7	1.4	0.6	77.6	14.7	0.0	0.8	28,183
Kathiani	0.1	1.9	0.7	0.2	88.8	8.0	0.1	0.3	23,163
Mavoko	1.5	42.0	11.2	2.0	11.5	31.2	0.1	0.6	44,156
Machakos Town	0.5	9.9	3.9	1.0	62.3	22.2	0.1	0.3	48,438
Mwala	0.3	2.5	0.4	0.3	88.8	7.6	0.1	0.1	35,452
Makueni County	0.1	2.8	0.6	0.3	84.8	11.2	0.1	0.1	184,494
Mbooni	0.0	1.4	0.3	0.2	91.2	6.8	0.0	0.0	38,236
Kilome	0.2	2.3	0.6	0.2	86.5	10.1	0.0	0.1	19,453
Kaiti	0.1	1.0	0.4	0.2	91.4	6.8	0.1	0.0	24,726
Makueni	0.1	3.4	0.7	0.3	84.9	10.4	0.0	0.1	38,720
Kibwezi West	0.3	4.7	0.8	0.4	74.1	19.3	0.1	0.4	36,028
Kibwezi East	0.2	3.8	0.6	0.2	82.7	12.4	0.1	0.1	27,331
Garissa County	0.9	1.1	0.4	0.4	72.7	24.1	0.1	0.5	69,369
Garissa Township	2.9	3.0	0.9	0.8	20.9	70.7	0.1	0.7	19,858

Balambala	0.0	0.0	0.2	0.2	96.7	2.3	0.1	0.5	10,666
Lagdera	0.0	0.2	0.2	0.2	97.8	1.4	0.1	0.2	11,674
Dadaab	0.2	0.5	0.2	0.2	93.7	4.4	0.1	0.7	9,244
Fafi	0.1	0.5	0.1	0.3	95.8	3.0	0.0	0.2	6,085
Ijara	0.0	0.6	0.1	0.2	84.9	13.9	0.1	0.3	11,842
Wajir County	0.2	0.5	0.2	0.2	95.0	3.5	0.1	0.3	77,040
Wajir North	-	0.4	0.2	0.1	97.7	1.4	0.1	0.2	14,010
Wajir East	0.9	1.2	0.2	0.2	84.7	12.1	0.1	0.4	15,804
Tarraj	0.1	0.2	0.2	0.1	98.6	0.6	0.1	0.1	10,366
Wajir West	0.0	0.2	0.1	0.2	97.6	1.4	0.1	0.3	11,879
Eldas	-	0.6	0.2	0.1	97.2	1.7	0.1	0.2	9,187
Wajir South	0.1	0.3	0.2	0.2	97.4	1.4	0.0	0.3	15,794
Mandera County	0.2	0.4	0.1	0.2	93.4	5.5	0.1	0.2	120,077
Mandera West	0.0	0.3	0.2	0.1	98.1	1.1	0.1	0.0	17,422
Banissa	0.0	0.6	0.1	0.2	97.2	1.7	0.1	0.1	18,876
Mandera North	0.0	0.2	0.1	0.2	97.2	1.9	0.1	0.2	20,170
Mandera South	0.1	0.3	0.1	0.2	97.8	1.3	0.1	0.1	28,904
Mandera East	0.8	0.6	0.1	0.1	68.0	29.9	0.0	0.4	16,893
Lafey	0.1	0.2	0.1	0.1	97.5	1.3	0.0	0.6	17,812
Siaya County	0.2	1.8	0.4	0.3	82.6	14.5	0.1	0.1	195,408
Ugenya	0.1	0.8	0.2	0.3	89.4	9.0	0.1	0.1	25,590
Ugunja	0.2	1.1	0.3	0.2	85.0	13.0	0.0	0.1	21,957
Alego Usonga	0.2	2.3	0.5	0.4	80.9	15.6	0.1	0.1	44,457
Gem	0.2	1.1	0.3	0.4	88.1	9.9	0.0	0.1	36,396
Bondo	0.2	2.8	0.8	0.3	69.9	25.7	0.0	0.2	36,356
Rarieda	0.1	2.1	0.3	0.3	86.0	11.0	0.1	0.1	30,652
Kisumu County	1.0	7.1	2.9	0.9	58.4	29.3	0.1	0.3	221,857
Kisumu East	0.7	12.7	2.1	0.9	36.5	46.9	0.1	0.3	36,907
Kisumu West	0.5	4.8	1.7	0.7	70.7	21.3	0.1	0.3	28,474
Kisumu Central	1.8	18.1	10.9	2.6	4.0	61.7	0.0	0.8	43,062
Seme	0.1	1.0	0.2	0.3	91.7	6.6	0.1	0.1	22,648
Nyando	0.3	1.9	0.6	0.4	83.0	13.7	0.0	0.1	29,868
Muhoroni	2.3	2.5	0.8	0.4	73.1	20.6	0.1	0.3	32,910
Nyakach	0.4	1.2	0.3	0.4	87.7	9.8	0.0	0.1	27,988
Homa Bay County	0.2	1.4	0.4	0.4	84.0	13.4	0.1	0.1	203,192
Kasipul	0.3	1.7	0.7	0.4	77.7	19.1	0.1	0.1	24,205
Kabondo Kasipul	0.1	0.7	0.2	0.4	91.0	7.4	0.1	0.1	22,003

Karachuonyo	0.1	1.1	0.3	0.3	90.3	7.8	0.1	0.1	33,933
Rangwe	0.1	0.4	0.2	0.4	92.5	6.1	0.0	0.1	20,661
Homa Bay Town	0.5	3.3	1.2	0.5	62.5	31.8	0.1	0.2	21,309
Ndhiwa	0.1	0.8	0.1	0.4	93.2	5.3	0.0	0.1	36,524
Suba North	0.3	2.3	0.5	0.3	73.9	22.4	0.0	0.2	23,540
Suba South	0.1	1.7	0.2	0.3	82.6	14.8	0.0	0.2	21,017
Migori County	0.5	2.0	0.5	0.4	79.8	16.5	0.1	0.1	166,487
Rongo	0.3	1.9	0.7	0.5	81.3	15.2	0.0	0.2	19,499
Awendo	2.7	3.0	0.5	0.4	73.5	19.7	0.0	0.1	21,819
Suna East	0.6	3.1	0.9	0.5	74.3	20.3	0.1	0.1	18,664
Suna West	0.1	2.4	0.4	0.4	70.3	26.0	0.1	0.2	18,221
Uriri	0.1	0.7	0.2	0.4	92.9	5.6	0.0	0.1	20,867
Nyatike	0.1	1.7	0.2	0.3	82.2	15.3	0.1	0.1	27,333
Kuria West	0.2	2.1	0.6	0.4	75.9	20.6	0.0	0.2	27,354
Kuria East	0.1	1.0	0.1	0.3	92.4	6.0	0.1	0.1	12,730
Kisii County	0.3	2.3	1.1	0.5	86.4	9.3	0.0	0.1	236,488
Bonchari	0.2	1.5	0.9	0.5	90.4	6.3	0.0	0.1	23,385
South Mugirango	0.1	1.9	0.3	0.4	93.0	4.1	0.0	0.1	31,384
Bomachoge Borabu	0.2	1.5	0.3	0.2	90.2	7.6	0.0	0.1	20,266
Bobasi	0.2	1.4	0.2	0.3	92.8	5.0	0.1	0.0	38,516
Bomachoge Chache	0.3	2.6	0.7	0.3	89.2	6.8	0.0	0.0	18,086
Nyaribari Masaba	0.4	1.6	0.5	0.2	89.3	7.9	0.1	0.1	25,454
Nyaribari Chache	0.6	3.2	2.1	0.7	76.9	16.4	0.0	0.1	27,895
Kitutu Chache North	0.1	1.1	0.3	0.5	94.9	3.0	0.0	0.0	22,372
Kitutu Chache South	0.5	5.9	4.3	0.9	62.9	25.1	0.0	0.2	29,130
Nyamira County	0.2	1.4	0.7	0.3	90.7	6.6	0.0	0.1	127,735
Kitutu Masaba	0.2	1.3	0.5	0.3	90.9	6.6	0.0	0.1	42,408
West Mugirango	0.2	1.8	1.2	0.3	88.6	7.8	0.0	0.1	33,897
North Mugirango	0.1	1.1	0.3	0.4	94.5	3.5	0.1	0.0	25,234
Borabu	0.3	1.4	0.7	0.2	89.5	7.9	0.0	0.0	26,196
Turkana County	0.3	0.5	0.1	0.1	87.0	11.4	0.1	0.4	106,554
Turkana North	0.0	0.0	0.0	0.1	94.6	4.9	0.1	0.3	19,299
Turkana West	0.7	1.3	0.1	0.1	84.4	12.5	0.1	0.8	21,353
Turkana Central	0.4	0.9	0.3	0.2	71.1	26.4	0.1	0.6	21,781
Loima	-	0.0	0.0	0.1	97.0	2.6	0.0	0.3	16,285
Turkana South	0.6	0.1	0.1	0.2	88.2	10.6	0.1	0.1	16,872
Turkana East	0.0	0.2	0.1	0.1	94.2	5.1	0.1	0.3	10,964

West Pokot County	0.2	0.7	0.2	0.2	91.4	7.2	0.0	0.1	78,946
Kapenguria	0.5	1.3	0.4	0.2	81.5	15.9	0.0	0.2	26,660
Sigor	-	0.3	0.0	0.1	97.5	2.1	0.0	0.1	14,840
Kacheliba	0.0	0.2	0.1	0.1	97.6	1.7	0.0	0.3	15,338
Pokot South	0.0	0.7	0.1	0.2	94.9	3.9	0.0	0.1	22,108
Samburu County	0.1	0.6	0.4	0.2	81.0	17.4	0.1	0.3	45,363
Samburu West	0.2	1.1	0.6	0.2	67.6	30.0	0.1	0.2	16,955
Samburu North	0.1	0.1	0.1	0.1	91.9	7.6	0.0	0.2	15,824
Samburu East	0.1	0.4	0.6	0.4	85.4	12.6	0.0	0.4	12,584
Trans-Nzoia County	0.3	3.4	0.9	0.5	76.5	18.2	0.0	0.2	166,597
Kwanza	0.4	2.2	0.7	0.4	79.7	16.4	0.0	0.2	32,386
Endebess	0.3	2.5	0.3	0.5	91.2	5.1	0.0	0.1	17,505
Saboti	0.4	6.9	1.1	0.5	52.6	38.1	0.0	0.4	38,823
Kiminini	0.4	3.5	1.7	0.6	77.2	16.5	0.0	0.1	39,341
Cherangany	0.2	1.1	0.3	0.3	90.6	7.4	0.0	0.1	38,542
Baringo County	0.2	1.0	0.5	0.3	86.5	11.4	0.0	0.1	107,133
Tiaty	-	0.3	0.1	0.2	96.9	2.3	0.0	0.2	21,152
Baringo North	0.0	0.6	0.1	0.2	94.7	4.2	0.1	0.1	18,935
Baringo Central	0.6	2.6	1.1	0.3	77.0	18.2	0.0	0.1	15,864
Baringo South	0.2	0.8	0.2	0.3	86.3	12.0	0.1	0.1	16,823
Mogotio	0.1	0.5	0.2	0.3	88.0	10.7	0.0	0.1	11,853
Eldama Ravine	0.3	1.1	1.1	0.3	76.1	21.0	0.0	0.1	22,506
Uasin-Gishu County	0.7	7.3	4.7	0.8	54.6	31.5	0.0	0.3	198,069
Soy	0.3	2.5	0.7	0.5	83.8	12.0	0.1	0.1	32,080
Turbo	0.9	12.0	6.5	1.0	39.9	39.4	0.0	0.4	49,792
Moiben	0.9	7.1	5.3	0.9	52.6	32.6	0.1	0.5	33,638
Ainabkoi	1.1	3.1	6.3	0.8	60.9	27.6	0.0	0.1	22,241
Kapserset	0.6	10.5	4.3	0.8	36.2	47.2	0.0	0.4	33,975
Kesses	0.5	4.0	4.7	0.5	67.8	22.2	0.0	0.2	26,343
Elgeyo Marakwet County	0.3	0.8	0.2	0.2	90.4	8.0	0.0	0.1	75,749
Marakwet East	0.0	0.4	0.1	0.2	95.0	4.2	0.1	0.0	17,648
Marakwet West	0.1	1.3	0.2	0.2	89.1	9.0	0.1	0.0	20,968
Keiyo North	0.2	1.2	0.6	0.3	83.0	14.7	0.0	0.1	15,226
Keiyo South	0.7	0.4	0.1	0.2	93.2	5.3	0.0	0.0	21,907
Nandi County	0.2	1.1	0.7	0.3	89.1	8.4	0.0	0.1	150,495
Tinderet	0.3	0.6	0.3	0.3	94.1	4.3	0.0	0.1	19,091
Aldai	0.0	0.5	0.3	0.3	94.4	4.4	0.0	0.0	28,784

Nandi Hills	0.3	1.7	1.0	0.3	87.3	9.4	0.0	0.1	24,015
Chesumei	0.3	1.4	1.2	0.6	84.1	12.2	0.0	0.2	26,009
Emgwen	0.4	1.4	1.2	0.3	81.5	14.9	0.0	0.2	26,879
Mosop	0.0	0.9	0.2	0.2	94.2	4.4	0.0	0.1	25,717
Laikipia County	0.6	3.1	3.6	0.3	66.3	25.7	0.1	0.2	97,112
Laikipia West	0.5	1.6	2.8	0.3	67.6	27.0	0.1	0.2	47,960
Laikipia East	0.8	7.0	6.1	0.5	52.5	32.7	0.1	0.4	31,010
Laikipia North	0.4	0.7	1.6	0.2	86.5	10.3	0.1	0.2	18,142
Nakuru County	1.0	7.8	4.7	0.7	45.6	39.9	0.1	0.3	401,645
Molo	0.5	1.9	1.3	0.3	57.9	37.8	0.1	0.2	29,907
Njoro	0.3	1.7	1.6	0.3	65.2	30.7	0.1	0.2	42,322
Naivasha	1.3	13.9	6.2	0.7	26.0	51.4	0.1	0.4	67,277
Gilgil	1.3	6.0	4.1	0.5	53.2	34.7	0.0	0.2	36,299
Kuresoi South	0.1	0.9	0.1	0.2	90.1	8.5	0.1	0.0	22,940
Kuresoi North	0.1	0.5	0.2	0.2	86.0	12.8	0.1	0.1	26,048
Subukia	0.2	1.1	0.5	0.3	81.3	16.3	0.1	0.1	21,760
Rongai	0.7	3.3	3.3	0.5	64.9	27.1	0.1	0.2	30,832
Bahati	0.7	5.0	3.7	0.8	44.3	45.1	0.0	0.3	34,942
Nakuru Town West	1.3	17.0	6.3	1.4	8.3	65.1	0.0	0.5	45,137
Nakuru Town East	2.7	16.6	15.0	1.9	3.6	59.5	0.0	0.6	44,181
Narok County	0.2	1.8	1.2	0.3	79.5	16.7	0.1	0.3	163,823
Kilgoris	0.2	1.4	1.1	0.3	83.5	13.2	0.1	0.3	31,705
Emurua Dikirr	0.0	0.9	0.0	0.2	97.4	1.4	0.0	0.0	16,347
Narok North	0.3	3.0	2.0	0.5	57.9	36.0	0.1	0.4	37,654
Narok East	0.2	1.5	0.5	0.3	70.7	26.2	0.0	0.7	17,305
Narok South	0.1	1.1	0.2	0.2	90.6	7.7	0.1	0.1	33,871
Narok West	0.2	2.3	2.8	0.3	85.8	8.2	0.1	0.3	26,941
Kajiado County	1.1	18.5	12.8	1.1	40.8	25.2	0.0	0.5	170,129
Kajiado North	1.9	33.3	28.0	1.8	7.9	26.7	0.0	0.4	56,678
Kajiado Central	0.4	5.2	1.8	0.8	62.7	28.6	0.0	0.5	22,398
Kajiado East	1.7	24.0	10.3	1.2	27.8	33.9	0.1	0.9	36,689
Kajiado West	0.4	8.5	5.7	0.4	69.6	15.0	0.1	0.3	25,232
Kajiado South	0.2	1.8	0.9	0.3	79.3	17.3	0.0	0.2	29,132
Kericho County	0.5	2.1	0.9	0.4	84.1	11.9	0.0	0.1	154,132
Kipkelion East	0.2	0.9	0.3	0.2	87.9	10.4	0.1	0.0	22,520
Kipkelion West	0.0	0.8	0.2	0.1	95.0	3.8	0.0	0.1	18,864
Ainamoi	1.0	4.3	2.7	0.9	61.4	29.6	0.0	0.2	32,267

Bureti	0.4	1.7	0.7	0.4	88.0	8.7	0.1	0.1	31,560
Belgut	0.7	1.9	0.7	0.3	91.0	5.3	0.1	0.1	28,595
Sigowet/Soin	0.1	1.8	0.3	0.3	90.4	6.9	0.0	0.1	20,326
Bomet County	0.2	1.6	0.4	0.2	92.0	5.4	0.1	0.1	141,219
Sotik	0.3	2.4	0.6	0.2	89.2	7.1	0.1	0.2	31,878
Chepalungu	0.0	0.7	0.1	0.1	96.5	2.5	0.1	0.1	30,094
Bomet East	0.1	1.9	0.2	0.2	92.2	5.3	0.1	0.1	23,897
Bomet Central	0.5	1.6	0.6	0.3	87.6	9.3	0.1	0.1	23,572
Konoin	0.3	1.4	0.3	0.3	93.8	3.9	0.1	0.1	31,778
Kakamega County	0.5	2.3	0.8	0.4	86.8	8.9	0.0	0.2	349,735
Lugari	0.1	1.7	0.4	0.3	91.4	6.0	0.0	0.1	33,251
Likuyani	0.2	2.1	0.5	0.3	87.6	9.1	0.1	0.2	25,690
Malava	0.2	1.1	0.2	0.3	92.1	5.9	0.0	0.1	40,053
Lurambi	0.8	7.5	3.6	1.2	54.4	31.7	0.0	0.7	36,197
Navakholo	0.1	0.6	0.2	0.3	96.7	2.1	0.0	0.1	27,107
Mumias West	4.0	4.8	2.1	0.6	66.6	21.8	0.0	0.2	25,915
Mumias East	0.1	1.6	0.3	0.3	92.4	5.1	0.0	0.1	21,148
Matungu	0.1	1.9	0.2	0.3	92.0	5.5	0.0	0.1	30,486
Butere	0.2	1.3	0.4	0.4	93.2	4.6	0.0	0.1	30,479
Khwisero	0.1	1.2	0.2	0.3	95.3	2.9	0.0	0.1	23,225
Shinyalu	0.3	2.1	0.4	0.3	91.7	5.0	0.0	0.1	33,555
Ikolomani	0.2	1.3	0.3	0.4	96.2	1.6	0.0	0.0	22,629
Vihiga County	0.3	2.0	0.6	0.4	91.1	5.5	0.0	0.1	120,416
Vihiga	0.3	3.4	1.0	0.4	86.9	7.8	0.0	0.1	20,143
Sabatia	0.4	2.2	0.6	0.4	90.6	5.7	0.0	0.1	27,275
Hamisi	0.3	1.5	0.6	0.3	92.1	5.1	0.0	0.1	30,724
Luanda	0.2	2.0	0.7	0.4	89.9	6.8	0.0	0.1	22,246
Emuhaya	0.1	1.0	0.2	0.5	95.7	2.4	0.0	0.0	20,028
Bungoma County	0.2	2.2	0.6	0.4	85.1	11.3	0.0	0.1	260,628
Mt Elgon	0.0	1.6	0.2	0.3	90.3	7.4	0.0	0.0	31,587
Sirisia	0.1	1.4	0.2	0.3	92.5	5.3	0.0	0.1	19,819
Kabuchai	0.1	1.4	0.3	0.3	89.1	8.7	0.0	0.1	27,260
Bumula	0.0	0.6	0.1	0.2	96.0	3.0	0.0	0.0	34,280
Kanduyi	0.9	4.4	1.7	0.7	65.7	26.3	0.0	0.2	46,059
Webuye East	0.2	2.4	0.6	0.7	81.7	14.3	-	0.2	19,017
Webuye West	0.2	3.0	1.1	0.5	81.2	13.9	0.0	0.2	24,124
Kimilili	0.2	2.7	0.6	0.5	83.0	12.9	0.0	0.1	24,454

Tongaren	0.0	1.3	0.2	0.3	94.4	3.6	0.0	0.1	34,028
Busia County	0.2	1.7	0.4	0.3	84.2	12.9	0.0	0.2	147,910
Teso North	0.2	3.1	0.7	0.5	79.2	15.9	0.0	0.3	22,917
Teso South	0.2	1.6	0.6	0.3	84.8	12.4	0.0	0.1	24,451
Nambale	0.1	1.0	0.2	0.3	90.4	7.9	0.0	0.1	18,672
Matayos	0.4	2.7	0.8	0.4	69.3	25.9	0.0	0.5	23,278
Butula	0.0	0.9	0.1	0.2	92.5	6.1	0.0	0.1	25,148
Funyula	0.1	1.0	0.2	0.2	92.8	5.6	0.0	0.1	18,411
Budalangi	0.3	1.7	0.2	0.2	82.3	15.1	0.0	0.2	15,033

Annex Table 25: Cooking fuel in male headed households by county and constituency

County/constituency	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.9	13.5	5.3	0.8	61.4	17.7	0.1	0.4	5,762,320
Rural	0.2	1.6	0.6	0.3	89.6	7.5	0.1	0.1	3,413,616
Urban	1.9	30.9	12.0	1.4	20.4	32.5	0.0	0.7	2,348,704
Nairobi County	2.8	55.9	21.0	2.1	1.3	16.0	0.0	0.7	739,199
Westlands	4.4	42.9	30.0	1.6	2.5	18.1	0.0	0.5	43,574
Dagoreti North	5.5	44.8	26.0	2.5	0.7	20.1	0.0	0.4	43,240
Dagoreti South	1.6	39.3	15.9	3.0	3.7	35.8	0.0	0.6	42,170
Langata	3.7	36.8	36.4	2.0	3.2	17.4	0.1	0.5	39,741
Kibra	2.2	50.0	9.3	1.2	0.8	36.0	0.0	0.4	49,942
Roysambu	2.5	44.9	36.2	2.3	3.2	10.2	0.0	0.7	42,234
Kasarani	2.2	48.0	26.7	1.9	3.7	16.7	0.0	0.8	37,967
Ruaraka	2.5	76.0	8.1	0.8	0.6	11.6	0.0	0.5	48,375
Embakasi South	1.5	65.3	11.3	2.0	0.4	18.9	0.0	0.4	61,440
Embakasi North	2.5	83.0	8.3	1.4	0.4	3.7	0.1	0.7	45,086
Embakasi Central	2.5	67.6	20.7	2.8	0.4	5.4	0.0	0.6	44,069
Embakasi East	3.6	51.1	29.6	2.0	1.1	11.9	0.0	0.6	37,845
Embakasi West	3.3	37.4	48.4	4.7	0.5	5.0	0.0	0.7	32,893
Makadara	2.4	56.8	23.4	2.1	0.5	14.0	0.0	0.9	43,355
Kamukunji	2.5	57.9	11.8	2.2	0.6	22.2	0.0	2.8	42,495
Starehe	5.1	49.6	28.0	3.7	0.8	11.8	0.1	0.9	36,497
Mathare	1.6	80.4	7.5	0.9	0.4	8.2	0.0	1.0	48,276
Nyandarua County	0.3	1.6	0.9	0.3	76.8	19.9	0.1	0.1	92,263
Kinangop	0.2	2.2	1.2	0.2	73.6	22.5	0.0	0.1	30,065
Kipipiri	0.2	1.2	0.5	0.3	85.5	12.1	0.1	0.0	13,901
Ol Kalou	0.4	1.5	1.2	0.2	76.2	20.2	0.1	0.1	17,659
Ol Jorok	0.3	1.6	0.9	0.2	72.4	24.5	0.1	0.1	15,711
Ndaragwa	0.1	1.1	0.7	0.4	80.5	16.9	0.2	0.1	14,927
Nyeri County	0.8	5.8	4.6	0.5	71.8	16.2	0.1	0.3	128,319
Tetu	0.5	2.0	1.7	0.4	90.6	4.7	0.1	0.0	13,547
Kieni	0.4	3.3	2.0	0.3	69.9	23.6	0.2	0.2	34,360
Mathira	1.1	5.7	3.8	0.4	76.9	11.8	0.1	0.2	27,615
Othaya	0.5	4.4	3.1	0.3	86.0	5.5	0.0	0.2	14,834
Mukurwe-Ini	0.2	3.2	1.3	0.3	90.6	4.2	0.1	0.1	14,255

Nyeri Town	1.4	13.9	14.0	1.1	37.7	31.0	0.0	0.9	23,708
Kirinyaga County	0.5	5.3	2.4	0.8	76.2	14.4	0.1	0.3	106,905
Mwea	0.4	6.5	2.4	0.8	66.2	23.3	0.1	0.4	39,514
Gichugu	0.5	2.3	1.2	0.5	89.3	5.9	0.1	0.1	25,509
Ndia	0.6	6.8	1.8	0.8	80.0	9.6	0.1	0.3	19,339
Kirinyaga Central	0.6	5.5	4.4	1.1	75.5	12.7	0.0	0.3	22,543
Muranga County	0.4	6.3	2.1	0.4	83.8	6.7	0.1	0.2	158,183
Kangema	0.4	4.4	1.4	0.3	89.3	4.0	0.0	0.1	13,208
Mathioya	0.4	3.6	1.2	0.3	90.5	3.9	0.0	0.1	14,503
Kiharu	0.4	7.9	3.9	0.4	79.7	7.2	0.1	0.3	31,300
Kigumo	0.2	3.9	1.1	0.4	88.9	5.4	0.0	0.1	20,999
Maragwa	0.5	7.1	2.2	0.6	81.5	7.9	0.0	0.2	24,940
Kandara	0.3	5.0	1.3	0.5	87.2	5.6	0.1	0.1	25,664
Gatanga	0.6	9.0	2.4	0.3	77.5	10.0	0.1	0.2	27,569
Kiambu County	1.2	24.3	13.3	0.9	32.9	26.9	0.0	0.5	327,558
Gatundu South	0.5	5.2	2.7	0.4	84.0	7.0	0.0	0.1	19,229
Gatundu North	0.3	3.7	1.5	0.3	84.1	10.0	0.0	0.1	16,215
Juja	1.8	36.8	14.2	0.5	22.9	23.3	0.1	0.4	27,344
Thika Town	1.0	45.5	15.8	0.7	10.7	25.7	0.0	0.6	37,185
Ruiru	2.2	48.1	22.8	1.7	4.9	19.9	0.0	0.4	47,939
Githunguri	0.7	6.6	4.4	0.7	67.7	19.5	0.0	0.5	27,089
Kiambu	1.5	22.4	19.6	1.5	26.2	28.4	0.0	0.5	22,644
Kiambaa	1.2	29.3	16.0	1.0	17.9	33.6	0.0	0.9	30,984
Kabete	1.1	20.3	14.8	1.0	15.2	46.8	0.0	0.7	29,836
Kikuyu	1.1	14.4	19.1	1.2	27.9	36.0	0.0	0.3	25,511
Limuru	0.9	7.6	6.8	0.5	38.6	45.2	0.0	0.4	22,778
Lari	0.4	2.7	3.0	0.5	73.1	20.0	0.1	0.1	20,804
Mombasa County	2.0	40.3	8.5	1.7	6.0	39.9	0.0	1.5	206,719
Changamwe	1.4	50.7	5.8	1.4	1.9	37.0	0.0	1.8	32,464
Jomvu	1.5	37.5	8.1	0.9	8.2	42.4	0.0	1.4	26,909
Kisauni	1.7	39.8	6.9	1.4	11.6	37.4	0.0	1.1	40,298
Nyali	2.1	44.3	9.5	2.5	3.4	36.7	0.0	1.4	42,885
Likoni	1.5	41.3	2.6	0.7	7.4	44.9	0.1	1.5	39,708
Mvita	4.6	21.8	22.9	3.6	1.7	43.1	0.0	2.3	24,455
Kwale County	0.4	6.8	1.5	0.4	78.3	12.2	0.1	0.3	80,118
Msabweni	1.1	19.0	4.1	0.7	51.3	23.1	0.1	0.6	23,816
Lunga Lunga	0.1	0.8	0.3	0.3	92.3	6.1	0.1	0.2	17,328
Matuga	0.3	2.5	0.6	0.4	87.8	8.2	0.1	0.2	19,145
Kinango	0.1	1.8	0.3	0.3	89.4	8.1	0.0	0.1	19,829
Kilifi County	1.0	8.7	2.1	0.8	64.7	22.1	0.0	0.6	128,348
Kilifi North	0.9	7.2	2.0	1.1	63.0	25.3	0.0	0.4	24,373
Kilifi South	1.5	18.0	3.7	1.2	55.4	19.4	0.1	0.8	24,035
Kaloleni	0.7	5.8	1.2	0.4	68.7	22.4	0.1	0.8	15,784
Rabai	0.7	5.9	0.7	0.5	77.3	14.5	0.0	0.4	10,848
Ganze	0.1	0.5	0.1	0.2	94.2	4.7	0.1	0.1	11,193
Malindi	1.7	13.3	3.6	0.9	36.9	42.5	0.1	1.0	23,768
Magarini	0.7	1.9	0.9	0.5	86.0	9.7	0.0	0.2	18,347
Tana River County	0.1	1.3	0.2	0.3	81.3	16.5	0.0	0.3	31,379

Garsen	0.1	0.8	0.2	0.2	89.3	9.1	0.1	0.2	12,805
Galole	0.1	1.9	0.3	0.4	76.4	20.7	0.1	0.2	7,579
Bura	0.2	1.5	0.1	0.2	75.3	22.2	0.0	0.5	10,995
Lamu County	0.5	3.8	1.1	0.6	70.9	22.0	0.2	1.0	15,813
Lamu East	0.0	3.5	0.3	0.1	89.1	6.3	0.1	0.5	2,582
Lamu West	0.6	3.8	1.2	0.7	67.4	25.0	0.2	1.1	13,231
Taita-Taveta County	0.6	5.8	1.7	0.5	66.7	24.3	0.0	0.4	46,628
Taveta	0.3	3.9	0.9	0.3	68.5	25.7	0.0	0.5	11,740
Wundanyi	1.0	4.7	2.5	0.4	77.8	13.5	0.0	0.2	9,305
Mwatate	0.3	2.7	0.5	0.3	77.1	18.8	0.0	0.2	11,527
Voi	1.0	10.6	2.9	0.8	49.3	34.8	0.0	0.5	14,056
Marsabit County	0.2	2.0	0.3	0.2	90.7	6.4	0.0	0.2	33,330
Moyale	0.3	2.5	0.3	0.2	86.0	10.6	0.0	0.2	10,325
North Horr	0.0	0.3	0.1	0.1	98.0	1.2	0.0	0.2	10,553
Saku	0.7	6.2	0.7	0.4	80.4	11.2	0.0	0.3	5,750
Laisamis	0.0	0.2	0.2	0.1	95.3	3.9	0.0	0.2	6,702
Isiolo County	0.6	3.4	2.5	0.4	63.4	29.3	0.1	0.3	19,020
Isiolo North	0.8	4.7	3.5	0.6	49.7	40.2	0.1	0.4	13,062
Isiolo South	0.0	0.6	0.3	0.2	93.5	5.2	0.1	0.2	5,958
Meru County	0.4	2.7	1.4	0.5	82.6	11.9	0.1	0.4	221,998
Igembe South	0.4	3.4	1.5	0.7	78.5	14.9	0.1	0.6	22,483
Igembe Central	0.2	2.0	0.6	0.4	85.7	10.5	0.2	0.5	28,816
Igembe North	0.3	2.4	0.4	0.4	88.9	7.1	0.1	0.4	21,681
Tigania West	0.2	0.6	0.5	0.3	94.1	3.9	0.2	0.2	18,221
Tigania East	0.2	1.0	0.3	0.4	93.0	4.9	0.1	0.1	21,181
North Imenti	1.1	7.8	6.1	1.0	60.2	23.1	0.1	0.5	28,252
Buuri	0.4	2.5	1.2	0.3	74.1	20.9	0.2	0.4	26,604
Central Imenti	0.2	1.1	0.5	0.4	92.8	4.7	0.1	0.1	21,125
South Imenti	0.4	2.0	1.1	0.4	84.7	10.9	0.1	0.3	33,635
Tharaka Nithi County	0.2	1.7	1.1	0.3	89.7	6.7	0.1	0.2	59,079
Maara	0.2	1.5	1.2	0.3	90.9	5.6	0.1	0.1	19,764
Chuka/Igambangombe	0.3	2.7	1.6	0.4	85.7	9.0	0.1	0.2	21,832
Tharaka	0.1	0.7	0.4	0.2	93.2	5.1	0.1	0.2	17,483
Embu County	0.6	4.2	2.2	0.5	81.2	10.9	0.1	0.3	86,215
Manyatta	1.1	8.4	5.0	0.9	64.3	19.8	0.1	0.6	28,078
Runyenjes	0.3	1.7	0.8	0.4	90.0	6.6	0.1	0.2	25,528
Mbeere South	0.3	2.7	0.7	0.2	89.6	6.2	0.1	0.2	19,686
Mbeere North	0.7	2.6	0.9	0.4	88.1	7.2	0.1	0.2	12,923
Kitui County	0.1	2.5	0.7	0.3	86.9	9.2	0.1	0.2	110,589
Mwingi North	0.1	0.9	0.3	0.1	93.9	4.5	0.1	0.2	13,719
Mwingi West	0.2	4.5	0.8	0.3	77.6	16.1	0.1	0.4	13,605
Mwingi Central	0.1	2.8	0.7	0.3	86.2	9.6	0.1	0.3	13,008
Kitui West	0.1	2.2	0.7	0.4	90.0	6.4	0.1	0.0	11,462
Kitui Rural	0.0	0.7	0.3	0.2	93.1	5.3	0.1	0.2	11,693
Kitui Central	0.5	6.3	2.2	0.6	70.8	19.4	0.1	0.2	16,430
Kitui East	0.0	0.7	0.2	0.2	93.5	5.0	0.1	0.2	13,499
Kitui South	0.1	1.3	0.2	0.3	92.8	5.2	0.1	0.1	17,173
Machakos County	0.6	13.7	3.5	0.8	64.0	16.9	0.1	0.4	165,090

Masinga	0.9	2.0	0.5	0.2	89.8	6.5	0.1	0.1	15,335
Yatta	0.3	7.3	1.1	0.4	78.1	12.4	0.0	0.3	19,015
Kangundo	0.2	2.6	1.1	0.2	86.0	9.6	0.1	0.1	13,473
Matungulu	0.2	4.8	1.4	0.5	77.2	14.9	0.0	0.9	18,319
Kathiani	0.1	2.1	0.7	0.2	88.2	8.1	0.1	0.4	13,362
Mavoko	1.5	43.6	10.6	2.0	11.1	30.5	0.1	0.7	35,172
Machakos Town	0.5	11.2	4.1	1.0	59.4	23.3	0.1	0.4	30,452
Mwala	0.3	2.8	0.4	0.4	88.0	7.8	0.1	0.1	19,962
Makueni County	0.2	3.1	0.7	0.3	83.4	12.1	0.1	0.2	108,060
Mbooni	0.0	1.7	0.4	0.2	90.0	7.5	0.1	0.1	21,097
Kilome	0.2	2.4	0.7	0.3	85.4	10.8	0.0	0.2	11,342
Kaiti	0.1	1.2	0.5	0.2	91.0	6.9	0.1	0.1	13,556
Makueni	0.0	3.7	0.8	0.3	84.0	10.9	0.0	0.2	23,388
Kibwezi West	0.3	4.9	0.9	0.4	72.9	20.0	0.1	0.6	22,272
Kibwezi East	0.2	3.9	0.7	0.2	80.8	14.1	0.1	0.1	16,405
Garissa County	0.9	1.2	0.4	0.4	75.3	21.4	0.1	0.5	53,423
Garissa Township	3.2	3.5	1.0	0.8	22.6	67.8	0.0	1.0	13,752
Balambala	0.0	0.0	0.2	0.2	96.9	2.2	0.1	0.5	8,823
Lagdera	0.0	0.2	0.2	0.1	97.8	1.4	0.1	0.2	10,087
Dadaab	0.2	0.6	0.2	0.2	93.9	4.2	0.1	0.7	7,424
Fafi	0.1	0.6	0.1	0.3	95.5	3.2	0.0	0.2	4,326
Ijara	0.0	0.7	0.1	0.2	84.1	14.5	0.1	0.3	9,011
Wajir County	0.2	0.5	0.2	0.2	95.4	3.2	0.1	0.3	62,285
Wajir North	0.0	0.4	0.1	0.1	97.7	1.4	0.1	0.2	11,685
Wajir East	1.0	1.3	0.2	0.2	85.2	11.5	0.1	0.4	11,499
Tarbaj	0.1	0.3	0.2	0.1	98.6	0.5	0.1	0.1	8,793
Wajir West	0.0	0.3	0.2	0.2	97.4	1.5	0.1	0.3	9,887
Eldas	0.0	0.6	0.1	0.1	97.3	1.7	0.1	0.1	7,625
Wajir South	0.1	0.3	0.2	0.2	97.4	1.4	0.0	0.4	12,796
Mandera County	0.1	0.4	0.1	0.2	94.3	4.6	0.1	0.2	97,817
Mandera West	0.0	0.3	0.2	0.1	98.0	1.2	0.0	0.0	14,614
Banissa	0.0	0.6	0.1	0.2	97.1	1.8	0.1	0.1	15,916
Mandera North	0.0	0.1	0.1	0.2	97.3	1.9	0.1	0.2	16,318
Mandera South	0.1	0.3	0.1	0.2	97.7	1.4	0.1	0.1	23,630
Mandera East	0.8	0.7	0.1	0.1	71.5	26.3	0.0	0.5	12,070
Lafey	0.1	0.2	0.1	0.1	97.4	1.4	0.0	0.6	15,269
Siaya County	0.2	2.4	0.5	0.3	78.5	17.8	0.1	0.2	106,856
Ugenya	0.1	1.2	0.3	0.3	86.6	11.2	0.0	0.1	12,407
Ugunja	0.3	1.5	0.4	0.1	81.8	15.7	0.1	0.2	11,367
Alego Usonga	0.2	3.0	0.6	0.4	76.5	19.1	0.1	0.1	23,580
Gem	0.3	1.3	0.3	0.4	86.6	11.0	0.0	0.1	20,258
Bondo	0.2	3.5	0.9	0.3	63.9	30.9	0.0	0.3	22,004
Rarieda	0.2	2.9	0.4	0.3	82.4	13.5	0.1	0.1	17,240
Kisumu County	1.2	9.2	3.3	1.0	51.2	33.7	0.0	0.4	141,137
Kisumu East	0.7	15.1	2.1	0.8	30.3	50.6	0.0	0.4	26,645
Kisumu West	0.5	6.4	2.0	0.7	64.8	25.2	0.1	0.3	17,981
Kisumu Central	1.8	20.2	10.7	2.6	3.4	60.4	0.0	0.9	31,231
Seme	0.1	1.3	0.3	0.4	89.5	8.3	0.1	0.0	11,755

Nyando	0.3	2.5	0.7	0.4	80.1	15.9	0.0	0.1	16,676
Muhoroni	2.9	3.1	0.9	0.4	67.9	24.4	0.0	0.3	22,188
Nyakach	0.5	1.7	0.5	0.5	85.1	11.6	0.1	0.1	14,661
Homa Bay County	0.2	1.9	0.5	0.4	80.5	16.3	0.1	0.1	114,397
Kasipul	0.3	2.3	0.9	0.4	72.8	23.0	0.1	0.2	13,329
Kabondo Kasipul	0.1	0.8	0.3	0.4	89.7	8.5	0.1	0.1	11,786
Karachuonyo	0.1	1.6	0.4	0.3	87.7	9.7	0.1	0.1	18,869
Rangwe	0.2	0.6	0.3	0.4	90.7	7.7	0.1	0.1	10,899
Homa Bay Town	0.6	4.2	1.5	0.5	57.0	36.0	0.1	0.2	12,661
Ndhiwa	0.1	0.9	0.2	0.4	92.0	6.4	0.0	0.1	19,706
Suba North	0.4	3.1	0.6	0.3	68.3	27.0	0.0	0.3	14,463
Suba South	0.1	2.1	0.2	0.3	79.8	17.2	0.0	0.2	12,684
Migori County	0.7	2.5	0.5	0.4	76.6	19.1	0.1	0.2	102,882
Rongo	0.3	2.4	0.8	0.5	78.0	17.7	0.0	0.2	11,204
Awendo	3.5	3.6	0.5	0.4	66.9	24.8	0.0	0.2	13,563
Suna East	0.7	3.7	1.0	0.5	71.3	22.3	0.1	0.2	11,774
Suna West	0.2	3.1	0.6	0.5	65.9	29.5	0.1	0.2	11,093
Uriri	0.1	0.9	0.2	0.5	91.7	6.5	0.0	0.1	12,534
Nyatike	0.1	2.1	0.2	0.3	78.3	18.8	0.1	0.1	15,417
Kuria West	0.2	2.4	0.6	0.5	73.7	22.3	0.0	0.3	18,711
Kuria East	0.1	1.2	0.2	0.3	91.9	6.1	0.1	0.1	8,586
Kisii County	0.3	2.7	1.2	0.5	84.8	10.3	0.0	0.1	155,419
Bonchari	0.3	1.7	1.0	0.5	89.5	6.8	0.0	0.1	15,315
South Mugirango	0.2	2.2	0.3	0.4	92.4	4.4	0.0	0.1	21,319
Bomachoge Borabu	0.2	1.5	0.4	0.2	89.5	8.1	0.0	0.1	13,470
Bobasi	0.2	1.6	0.2	0.3	92.0	5.6	0.1	0.0	24,854
Bomachoge Chache	0.4	2.9	0.8	0.4	88.2	7.3	0.0	0.0	12,081
Nyaribari Masaba	0.4	1.8	0.5	0.3	88.0	8.8	0.1	0.1	16,271
Nyaribari Chache	0.7	3.8	2.3	0.7	74.5	17.9	0.0	0.1	18,919
Kitutu Chache North	0.1	1.5	0.4	0.6	94.0	3.4	0.0	0.0	13,427
Kitutu Chache South	0.5	6.7	4.7	1.0	59.8	26.9	0.1	0.2	19,763
Nyamira County	0.3	1.5	0.8	0.3	90.2	6.8	0.0	0.1	85,702
Kitutu Masaba	0.3	1.5	0.6	0.3	90.0	7.2	0.0	0.1	27,112
West Mugirango	0.2	1.8	1.4	0.3	88.0	8.1	0.0	0.1	22,549
North Mugirango	0.2	1.2	0.3	0.3	94.3	3.6	0.1	0.1	17,581
Borabu	0.3	1.5	0.8	0.2	89.2	7.9	0.0	0.0	18,460
Turkana County	0.4	0.6	0.1	0.1	86.0	12.2	0.1	0.4	67,081
Turkana North	0.0	0.0	0.0	0.1	93.9	5.5	0.1	0.2	12,103
Turkana West	0.9	1.6	0.2	0.2	82.1	14.4	0.1	0.6	13,666
Turkana Central	0.5	1.3	0.4	0.2	68.4	28.4	0.1	0.7	12,369
Loima	0.0	0.0	0.0	0.1	96.5	3.1	0.0	0.2	9,246
Turkana South	0.8	0.2	0.1	0.1	87.4	11.1	0.1	0.2	11,480
Turkana East	0.0	0.2	0.1	0.1	93.9	5.4	0.1	0.2	8,217
West Pokot County	0.2	0.8	0.2	0.2	90.7	7.7	0.0	0.1	51,791
Kapenguria	0.6	1.5	0.5	0.2	80.3	16.7	0.0	0.2	17,559
Sigor	0.0	0.3	0.0	0.1	97.3	2.2	0.0	0.0	10,370
Kacheliba	0.0	0.3	0.1	0.1	97.0	2.1	0.1	0.3	9,442
Pokot South	0.0	0.8	0.2	0.2	94.4	4.4	0.0	0.0	14,420

Samburu County	0.2	0.9	0.7	0.2	77.2	20.5	0.1	0.3	23,787
Samburu West	0.3	1.7	1.0	0.2	60.9	35.4	0.1	0.3	8,837
Samburu North	0.1	0.1	0.1	0.1	90.8	8.6	0.0	0.2	8,848
Samburu East	0.2	0.7	1.0	0.6	80.9	16.2	0.1	0.4	6,102
Trans-Nzoia County	0.3	3.9	0.9	0.5	75.0	19.1	0.0	0.2	117,604
Kwanza	0.4	2.5	0.6	0.4	78.9	16.9	0.0	0.2	22,672
Endebess	0.3	2.7	0.4	0.5	90.7	5.3	0.0	0.1	13,017
Saboti	0.4	7.9	1.1	0.5	50.2	39.5	0.0	0.4	28,605
Kiminini	0.4	3.9	1.8	0.7	75.9	17.2	0.1	0.2	26,895
Cherangany	0.2	1.3	0.3	0.3	90.1	7.6	0.0	0.2	26,415
Baringo County	0.2	1.2	0.5	0.2	85.8	11.8	0.1	0.1	69,621
Tiaty	0.0	0.4	0.1	0.1	96.2	3.0	0.0	0.2	12,501
Baringo North	0.1	0.8	0.1	0.2	94.1	4.5	0.1	0.1	12,125
Baringo Central	0.6	3.2	1.3	0.3	76.9	17.5	0.0	0.2	10,369
Baringo South	0.2	1.0	0.3	0.3	85.1	12.9	0.1	0.1	10,976
Mogotio	0.2	0.6	0.3	0.3	88.5	10.0	0.1	0.1	7,914
Eldama Ravine	0.2	1.4	1.0	0.2	76.1	20.9	0.0	0.2	15,736
Uasin-Gishu County	0.7	8.0	4.5	0.7	53.3	32.3	0.0	0.4	141,378
Soy	0.3	2.7	0.6	0.4	83.9	11.8	0.1	0.2	21,928
Turbo	0.9	13.1	6.2	0.9	37.8	40.6	0.0	0.4	35,548
Moiben	0.9	7.8	5.1	0.9	52.1	32.5	0.1	0.6	24,201
Ainabkoi	1.2	3.5	5.9	0.7	60.8	27.7	0.0	0.2	15,607
Kapseret	0.6	11.2	3.9	0.8	34.4	48.6	0.0	0.4	25,440
Kesses	0.5	4.3	4.6	0.5	67.7	22.2	0.0	0.2	18,654
Elgeyo Marakwet County	0.3	0.9	0.2	0.2	90.3	7.9	0.1	0.1	52,320
Marakwet East	0.0	0.5	0.0	0.2	95.1	4.1	0.1	0.0	11,697
Marakwet West	0.1	1.4	0.2	0.2	89.2	8.7	0.1	0.1	14,655
Keiyo North	0.2	1.4	0.7	0.2	83.0	14.3	0.0	0.2	10,644
Keiyo South	0.8	0.5	0.2	0.2	92.8	5.5	0.1	0.1	15,324
Nandi County	0.3	1.2	0.7	0.3	89.3	8.1	0.0	0.1	108,390
Tinderet	0.4	0.7	0.3	0.3	94.1	4.1	0.0	0.1	14,586
Aldai	0.0	0.5	0.3	0.2	94.6	4.3	0.0	0.0	20,571
Nandi Hills	0.3	1.7	0.9	0.2	87.8	8.8	0.0	0.1	18,334
Chesumei	0.3	1.6	1.1	0.6	84.2	11.9	0.0	0.2	18,003
Emgwen	0.5	1.6	1.2	0.3	81.0	15.1	0.0	0.2	18,962
Mosop	0.0	1.0	0.2	0.3	94.5	4.0	0.0	0.1	17,934
Laikipia County	0.7	3.6	3.7	0.3	64.4	26.9	0.1	0.3	62,287
Laikipia West	0.5	1.9	2.8	0.3	65.8	28.4	0.1	0.2	30,852
Laikipia East	1.0	7.6	5.9	0.5	51.4	33.0	0.1	0.5	20,397
Laikipia North	0.6	1.0	2.1	0.2	84.3	11.6	0.1	0.2	11,038
Nakuru County	1.0	8.7	4.5	0.7	43.8	40.8	0.1	0.4	275,541
Molo	0.5	2.3	1.4	0.3	56.1	39.2	0.1	0.2	20,787
Njoro	0.3	2.1	1.7	0.3	64.1	31.3	0.1	0.2	27,929
Naivasha	1.5	15.5	6.1	0.7	24.7	51.0	0.1	0.5	45,578
Gilgil	1.4	7.0	4.4	0.5	51.6	34.9	0.0	0.2	23,830
Kuresoi South	0.1	0.8	0.1	0.3	90.2	8.4	0.1	0.1	15,965
Kuresoi North	0.2	0.6	0.2	0.3	85.3	13.2	0.1	0.1	17,798
Subukia	0.3	1.4	0.5	0.3	80.4	16.9	0.1	0.1	13,729

Rongai	0.8	3.7	3.3	0.5	63.3	28.1	0.1	0.2	20,986
Bahati	0.7	5.6	3.7	0.9	41.9	46.8	0.1	0.4	23,855
Nakuru Town West	1.3	17.8	5.5	1.2	7.6	66.0	0.0	0.6	34,488
Nakuru Town East	2.7	17.9	14.1	1.9	3.6	59.0	0.0	0.7	30,596
Narok County	0.2	2.1	1.4	0.3	77.5	18.0	0.1	0.4	107,586
Kilgoris	0.2	1.6	1.3	0.3	82.4	13.8	0.1	0.4	21,420
Emurua Dikirr	0.0	0.9	0.0	0.2	97.4	1.3	0.0	0.0	11,447
Narok North	0.3	3.4	1.9	0.4	55.9	37.6	0.1	0.4	26,091
Narok East	0.2	1.9	0.6	0.3	67.9	28.4	0.0	0.8	11,150
Narok South	0.1	1.2	0.2	0.2	89.7	8.4	0.1	0.2	21,687
Narok West	0.3	3.1	4.1	0.3	82.3	9.4	0.1	0.4	15,791
Kajiado County	1.3	21.2	13.5	1.1	35.1	27.1	0.1	0.5	116,882
Kajiado North	1.9	34.9	26.6	1.7	7.6	26.8	0.1	0.4	43,060
Kajiado Central	0.6	7.1	2.1	1.0	54.4	34.0	0.0	0.8	12,749
Kajiado East	1.9	25.3	10.5	1.1	24.3	35.8	0.1	0.8	26,610
Kajiado West	0.6	10.6	6.9	0.5	63.0	18.1	0.1	0.4	15,913
Kajiado South	0.2	2.2	0.9	0.3	77.5	18.5	0.1	0.3	18,550
Kericho County	0.5	2.2	0.9	0.4	84.3	11.5	0.1	0.1	112,374
Kipkelion East	0.2	1.0	0.3	0.2	87.8	10.3	0.1	0.0	15,338
Kipkelion West	0.0	0.8	0.2	0.2	94.9	3.8	0.0	0.1	13,474
Ainamoi	1.1	4.6	2.6	0.8	60.9	29.7	0.0	0.2	23,828
Bureti	0.4	1.8	0.6	0.4	89.0	7.7	0.1	0.2	23,043
Belgut	0.7	2.0	0.7	0.3	91.5	4.7	0.1	0.1	21,885
Sigowet/Soin	0.1	1.9	0.3	0.3	90.8	6.4	0.0	0.2	14,806
Bomet County	0.2	1.7	0.4	0.2	92.2	5.1	0.1	0.1	98,022
Sotik	0.3	2.7	0.6	0.2	88.9	7.1	0.0	0.2	21,807
Chepalungu	0.0	0.7	0.1	0.1	96.6	2.2	0.1	0.1	19,133
Bomet East	0.1	1.9	0.3	0.2	92.6	4.8	0.1	0.1	15,693
Bomet Central	0.5	1.7	0.6	0.3	88.3	8.5	0.1	0.1	17,140
Konoin	0.3	1.6	0.3	0.3	94.1	3.4	0.1	0.1	24,249
Kakamega County	0.6	2.7	0.8	0.4	85.9	9.4	0.0	0.2	228,905
Lugari	0.1	1.9	0.4	0.3	91.3	5.9	0.0	0.1	22,331
Likuyani	0.2	2.2	0.5	0.3	87.1	9.3	0.1	0.2	16,819
Malava	0.3	1.2	0.2	0.3	92.3	5.5	0.0	0.1	28,043
Lurambi	0.8	8.4	3.5	1.2	52.7	32.5	0.1	0.8	25,444
Navakholo	0.1	0.6	0.2	0.3	96.7	2.0	0.0	0.1	17,696
Mumias West	4.8	5.7	2.3	0.6	62.8	23.5	0.0	0.3	17,209
Mumias East	0.1	1.4	0.3	0.3	92.7	5.0	0.0	0.1	13,865
Matungu	0.1	2.2	0.2	0.3	91.6	5.6	0.0	0.1	20,053
Butere	0.2	1.4	0.4	0.3	93.4	4.2	0.0	0.1	19,365
Khwisero	0.1	1.3	0.2	0.4	94.7	3.2	0.0	0.1	13,476
Shinyalu	0.3	2.1	0.5	0.4	91.4	5.2	0.0	0.1	21,274
Ikolomani	0.2	1.5	0.4	0.5	95.8	1.7	0.0	0.0	13,330
Vihiga County	0.3	2.3	0.7	0.4	90.2	5.9	0.0	0.1	71,763
Vihiga	0.4	4.0	1.2	0.4	85.7	8.2	0.0	0.2	11,899
Sabatia	0.5	2.7	0.7	0.5	89.5	6.0	0.0	0.1	15,919
Hamisi	0.3	1.6	0.6	0.4	91.6	5.3	0.0	0.1	18,702
Luanda	0.2	2.4	0.7	0.4	88.8	7.3	0.0	0.1	13,708

Emuhaya	0.1	1.2	0.3	0.5	95.2	2.7	0.0	0.1	11,535
Bungoma County	0.3	2.5	0.6	0.4	84.7	11.3	0.0	0.1	180,444
Mt Elgon	0.0	1.9	0.3	0.3	90.2	7.3	0.0	0.0	22,350
Sirisia	0.1	1.6	0.2	0.3	92.3	5.3	0.0	0.2	13,800
Kabuchai	0.2	1.6	0.2	0.3	89.2	8.5	0.0	0.1	18,969
Bumula	0.1	0.7	0.1	0.2	95.9	3.0	0.0	0.1	23,542
Kanduyi	0.9	4.9	1.7	0.7	65.2	26.2	0.0	0.3	32,521
Webuye East	0.2	2.8	0.6	0.7	80.6	14.9	0.0	0.2	13,141
Webuye West	0.2	3.1	1.1	0.5	81.2	13.6	0.0	0.2	16,933
Kimilili	0.2	2.9	0.6	0.4	82.6	13.0	0.0	0.2	16,701
Tongaren	0.1	1.5	0.3	0.3	93.9	3.8	0.0	0.1	22,487
Busia County	0.2	2.1	0.5	0.3	82.8	13.7	0.0	0.3	91,813
Teso North	0.2	3.2	0.7	0.5	79.7	15.2	0.0	0.5	15,666
Teso South	0.1	2.0	0.7	0.3	83.8	12.9	0.0	0.1	16,101
Nambale	0.1	1.2	0.2	0.3	90.3	7.8	0.0	0.2	12,012
Matayos	0.5	3.4	0.8	0.5	65.8	28.3	0.0	0.7	14,853
Butula	0.1	1.1	0.2	0.2	91.9	6.5	0.0	0.1	13,820
Funyula	0.2	1.3	0.3	0.2	91.8	6.1	0.0	0.1	10,621
Budalangi	0.3	2.4	0.3	0.3	80.0	16.5	0.0	0.3	8,740

Annex table 26: Cooking fuel in female headed households by county and constituency

County/Constituency	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.6	7.9	4.6	0.7	70.6	15.5	0.0	0.1	2,731,060
Rural	0.1	1.0	0.5	0.3	91.5	6.5	0.0	0.1	1,826,263
Urban	1.6	21.7	13.0	1.5	28.5	33.6	0.0	0.3	904,797
Nairobi County	3.0	47.4	27.1	2.5	1.6	18.1	0.0	0.3	229,278
Westlands	4.5	37.7	30.4	2.0	3.3	21.7	0.0	0.4	11,994
Dagoreti North	6.8	32.4	37.8	2.9	0.6	19.2	0.0	0.2	13,469
Dagoreti South	1.6	31.8	18.8	3.0	6.4	38.2	0.0	0.2	13,392
Langata	4.8	23.6	52.2	2.3	1.9	15.0	0.0	0.2	12,915
Kibra	3.0	34.0	18.4	2.0	1.0	41.2	0.0	0.4	13,151
Roysambu	2.1	40.3	39.8	2.2	3.1	12.1	0.1	0.2	15,443
Kasarani	1.9	42.1	31.0	2.2	5.0	17.3	0.0	0.3	11,858
Ruaraka	2.2	68.2	10.5	1.0	1.1	16.8	0.0	0.1	11,972
Embakasi South	1.9	56.8	18.1	2.9	0.6	19.5	0.0	0.1	13,263
Embakasi North	2.3	80.6	9.9	1.5	0.6	4.7	0.1	0.2	15,100
Embakasi Central	2.2	63.8	22.5	2.8	0.6	8.0	0.0	0.1	13,693
Embakasi East	3.6	42.0	37.0	2.4	1.4	13.4	0.0	0.1	11,086
Embakasi West	2.8	34.3	51.9	4.7	0.6	5.5	0.0	0.2	12,019

Makadara	2.3	47.0	31.4	2.8	0.5	15.8	0.0	0.2	15,479
Kamukunji	2.4	46.8	12.7	2.8	0.9	34.0	0.0	0.4	16,401
Starehe	4.6	38.5	36.9	4.8	0.5	14.3	0.0	0.5	13,139
Mathare	2.0	75.8	10.1	0.9	0.5	10.5	0.0	0.2	14,904
Nyandarua County	0.2	0.9	1.0	0.3	79.2	18.3	0.1	0.1	48,482
Kinangop	0.1	1.4	1.4	0.2	74.1	22.6	0.0	0.1	14,472
Kipipiri	0.1	0.7	0.5	0.2	87.4	11.1	0.1	0.0	7,903
Ol Kalou	0.3	0.9	1.4	0.3	79.1	17.8	0.1	0.1	9,221
Ol Jorok	0.2	0.7	0.9	0.2	76.3	21.4	0.0	0.2	8,433
Ndaragwa	0.1	0.4	0.6	0.5	83.1	15.2	0.2	-	8,453
Nyeri County	0.6	4.5	4.9	0.4	74.4	15.0	0.1	0.1	71,157
Tetu	0.2	1.2	1.2	0.3	92.6	4.4	0.1	0.0	7,881
Kieni	0.3	2.0	2.4	0.3	71.4	23.5	0.1	0.1	16,538
Mathira	1.1	5.4	3.9	0.3	76.9	12.2	0.0	0.1	15,822
Othaya	0.5	3.9	3.0	0.2	86.4	6.0	0.0	0.0	9,073
Mukurwe-Ini	0.2	2.0	1.3	0.2	92.2	4.0	0.1	0.0	9,595
Nyeri Town	1.0	10.9	16.2	1.2	40.9	29.5	0.0	0.2	12,248
Kirinyaga County	0.5	5.6	3.4	1.0	73.5	15.9	0.1	0.1	45,741
Mwea	0.3	7.2	3.3	0.8	63.3	24.9	0.1	0.1	15,584
Gichugu	0.7	2.4	1.7	0.6	86.4	8.1	0.0	0.1	10,361
Ndia	0.7	6.3	2.7	1.0	77.9	11.2	0.1	0.1	9,894
Kirinyaga Central	0.6	5.6	5.9	1.5	71.5	14.8	0.0	0.1	9,902
Muranga County	0.2	4.8	1.9	0.4	86.2	6.4	0.1	0.1	93,993
Kangema	0.2	3.1	0.9	0.3	91.6	3.8	0.0	0.1	8,511
Mathioya	0.2	3.0	1.1	0.3	91.5	3.7	0.1	0.0	9,986
Kiharu	0.2	6.2	3.5	0.4	82.6	7.0	0.0	0.1	19,451
Kigumo	0.1	3.6	1.1	0.3	90.0	4.9	0.0	0.0	11,873
Maragwa	0.2	5.7	2.3	0.5	83.0	8.1	0.1	0.1	14,698
Kandara	0.2	4.6	1.3	0.4	88.2	5.2	0.1	0.0	15,040
Gatanga	0.2	5.8	1.8	0.2	82.2	9.6	0.1	0.1	14,434
Kiambu County	0.9	17.8	13.8	0.8	41.4	25.0	0.0	0.2	128,752
Gatundu South	0.3	5.9	2.5	0.3	84.2	6.8	0.0	0.0	10,389
Gatundu North	0.1	3.4	1.5	0.4	84.8	9.7	0.1	0.1	8,745

Juja	1.2	28.1	16.2	0.5	30.7	23.1	0.0	0.1	9,461
Thika Town	1.0	39.0	19.0	0.8	13.5	26.5	-	0.1	14,236
Ruiru	1.7	41.1	27.2	1.8	6.1	21.8	0.0	0.1	15,762
Githunguri	0.6	6.3	4.4	0.5	71.3	16.6	0.1	0.3	11,756
Kiambu	1.2	17.3	19.9	1.1	33.3	26.9	0.0	0.3	8,543
Kiambaa	1.1	18.8	19.0	1.0	26.7	32.6	0.0	0.7	10,559
Kabete	0.9	14.6	15.8	0.7	21.5	45.9	0.0	0.5	10,439
Kikuyu	1.0	10.4	20.2	1.4	34.9	31.8	0.0	0.3	9,948
Limuru	0.7	3.9	7.1	0.4	46.1	41.5	0.0	0.1	9,450
Lari	0.3	2.0	3.2	0.6	75.6	18.1	0.0	0.1	9,464
Mombasa County	2.0	32.0	10.6	2.3	7.9	44.8	0.0	0.5	59,278
Changamwe	1.3	43.4	6.5	1.2	2.9	44.3	0.0	0.4	9,397
Jomvu	1.4	30.6	9.3	0.9	11.9	45.4	0.0	0.3	7,922
Kisauni	1.5	32.2	10.0	2.4	13.6	39.9	0.0	0.4	11,884
Nyali	2.5	35.5	13.2	3.8	5.0	39.4	0.0	0.5	11,685
Likoni	1.3	31.1	3.4	0.8	11.4	51.5	0.1	0.5	9,994
Mvita	4.0	16.3	22.1	4.3	1.8	51.0	0.0	0.6	8,396
Kwale County	0.3	3.5	1.4	0.4	84.6	9.7	0.1	0.1	39,254
Msabweni	1.0	13.6	5.6	0.9	56.4	22.2	0.1	0.2	8,305
Lunga Lunga	0.1	0.4	0.1	0.2	93.7	5.3	0.0	0.2	9,352
Matuga	0.2	1.3	0.6	0.4	90.5	7.0	0.0	0.1	8,600
Kinango	0.1	0.8	0.1	0.2	92.1	6.6	0.0	0.0	12,997
Kilifi County	0.7	5.4	2.2	0.8	72.6	18.0	0.1	0.2	62,381
Kilifi North	0.7	3.9	2.2	1.1	69.3	22.6	0.0	0.2	11,245
Kilifi South	1.3	13.4	4.6	1.3	64.3	14.7	0.1	0.2	11,773
Kaloleni	0.3	2.3	0.7	0.4	78.9	17.2	0.1	0.2	8,671
Rabai	0.4	5.4	0.5	0.4	79.1	14.0	0.0	0.1	5,031
Ganze	0.0	0.3	0.1	0.2	96.2	3.2	0.0	0.1	8,645
Malindi	1.6	8.5	4.3	1.3	43.2	40.7	0.1	0.3	9,414
Magarini	0.4	1.1	0.7	0.7	88.1	8.8	0.0	0.2	7,602
Tana River County	0.1	0.8	0.1	0.2	82.3	16.2	0.0	0.2	13,848
Garsen	0.1	0.4	0.1	0.1	88.7	10.5	0.0	0.1	5,167
Galole	0.1	0.9	0.2	0.1	78.8	19.7	0.0	0.2	3,745

Bura	0.1	1.2	0.1	0.2	78.3	19.7	0.1	0.3	4,936
Lamu County	0.4	1.6	0.8	0.4	71.8	24.6	0.2	0.2	5,245
Lamu East	0.1	0.2	0.1	0.3	92.6	6.6	0.1	-	940
Lamu West	0.4	1.9	1.0	0.5	67.2	28.5	0.2	0.3	4,305
Taita-Taveta County	0.4	3.5	1.1	0.3	72.7	21.8	0.1	0.1	23,655
Taveta	0.3	2.1	0.6	0.3	68.0	28.5	0.0	0.2	4,375
Wundanyi	0.6	2.6	0.9	0.3	83.8	11.7	0.1	0.0	5,121
Mwatate	0.2	1.4	0.3	0.2	84.1	13.7	0.0	0.1	6,408
Voi	0.5	6.7	2.2	0.5	58.5	31.4	0.1	0.1	7,751
Marsabit County	0.2	0.5	0.1	0.1	93.0	6.0	0.1	0.1	20,269
Moyale	0.4	0.6	0.1	0.1	86.0	12.9	0.1	0.0	5,368
North Horr	-	0.1	0.1	0.0	98.8	0.6	0.0	0.3	4,578
Saku	0.3	1.7	0.3	0.2	87.8	9.4	0.1	0.2	3,732
Laisamis	-	0.0	0.1	0.0	97.5	2.2	0.0	0.1	6,591
Isiolo County	0.3	1.5	1.5	0.3	67.4	28.8	0.1	0.2	11,857
Isiolo North	0.4	1.8	1.8	0.4	59.0	36.3	0.1	0.2	9,087
Isiolo South	0.1	0.2	0.3	0.0	94.8	4.3	0.1	0.1	2,770
Meru County	0.4	2.4	1.8	0.6	80.2	14.5	0.1	0.1	89,267
Igembe South	0.4	4.2	2.4	0.9	72.1	19.9	0.1	0.1	7,246
Igembe Central	0.2	1.6	0.6	0.4	85.7	11.4	0.1	0.1	9,579
Igembe North	0.3	2.3	0.5	0.5	88.2	8.2	0.0	0.1	7,467
Tigania West	0.2	0.4	0.4	0.4	94.2	4.3	0.1	0.1	9,911
Tigania East	0.1	0.9	0.2	0.5	92.2	6.1	0.1	0.0	9,711
North Imenti	1.0	6.3	6.9	1.4	58.0	26.0	0.1	0.2	12,062
Buuri	0.3	1.6	1.5	0.3	72.1	23.9	0.1	0.1	12,222
Central Imenti	0.2	1.1	0.8	0.3	89.8	7.7	0.1	0.1	8,437
South Imenti	0.4	2.3	1.6	0.5	78.3	16.7	0.1	0.1	12,632
Tharaka Nithi County	0.2	1.7	1.3	0.3	87.3	9.0	0.1	0.1	27,711
Maara	0.2	1.9	1.5	0.4	87.1	8.8	0.1	0.1	7,910
Chuka/Igambangombe	0.1	2.6	1.8	0.4	83.1	11.8	0.1	0.1	11,060
Tharaka	0.1	0.4	0.4	0.2	92.9	5.7	0.2	0.1	8,741
Embu County	0.4	3.7	2.6	0.5	80.9	11.7	0.1	0.1	41,864
Manyatta	0.6	7.6	6.2	1.0	63.7	20.7	0.0	0.1	12,752

Runyenjes	0.2	1.8	1.0	0.3	88.5	8.1	0.0	0.1	10,982
Mbeere South	0.2	2.7	0.9	0.2	87.6	8.2	0.1	0.1	10,243
Mbeere North	0.3	1.5	1.0	0.3	89.8	7.0	0.1	0.1	7,887
Kitui County	0.1	1.4	0.5	0.3	90.7	7.0	0.0	0.1	91,103
Mwingi North	0.0	0.3	0.1	0.1	95.5	3.7	0.1	0.1	12,059
Mwingi West	0.1	2.7	0.7	0.2	84.7	11.6	0.1	0.0	12,782
Mwingi Central	0.1	1.2	0.4	0.2	90.5	7.4	0.0	0.1	11,220
Kitui West	0.1	1.4	0.4	0.2	92.2	5.6	0.1	0.0	10,517
Kitui Rural	0.0	0.5	0.2	0.1	95.1	4.0	0.0	0.1	9,439
Kitui Central	0.2	3.3	1.6	0.6	80.9	13.3	0.1	0.1	11,985
Kitui East	0.0	0.4	0.3	0.2	94.9	4.0	0.0	0.1	10,052
Kitui South	0.1	0.9	0.1	0.4	93.7	4.7	0.0	0.1	13,049
Machakos County	0.3	6.8	2.5	0.6	76.4	13.3	0.0	0.1	95,690
Masinga	0.3	1.7	0.2	0.2	92.1	5.5	0.0	0.0	11,557
Yatta	0.1	4.6	1.0	0.3	83.8	10.1	0.1	0.0	13,640
Kangundo	0.2	2.1	0.9	0.1	87.7	8.9	0.0	0.0	8,368
Matungulu	0.2	4.5	1.3	0.7	78.3	14.4	0.1	0.6	9,864
Kathiani	0.1	1.6	0.6	0.2	89.7	7.8	0.0	0.1	9,801
Mavoko	1.4	35.7	13.4	2.0	13.0	34.0	0.1	0.3	8,984
Machakos Town	0.4	7.6	3.7	0.9	67.1	20.2	0.0	0.1	17,986
Mwala	0.2	2.0	0.4	0.3	89.9	7.2	0.1	0.0	15,490
Makueni County	0.1	2.4	0.4	0.2	86.8	9.9	0.0	0.0	76,434
Mbooni	0.0	1.0	0.2	0.1	92.7	5.9	0.0	0.0	17,139
Kilome	0.1	2.0	0.4	0.1	88.1	9.1	0.0	0.0	8,111
Kaiti	0.1	0.8	0.3	0.2	91.9	6.6	0.0	0.0	11,170
Makueni	0.1	2.9	0.6	0.4	86.2	9.7	0.0	0.1	15,332
Kibwezi West	0.2	4.3	0.6	0.4	76.1	18.1	0.1	0.1	13,756
Kibwezi East	0.1	3.6	0.5	0.2	85.6	9.8	0.1	0.0	10,926
Garissa County	0.9	0.9	0.3	0.4	64.2	33.0	0.1	0.3	15,946
Garissa Township	2.3	1.9	0.7	0.6	17.1	77.1	0.1	0.2	6,106
Balambala	-	0.1	0.1	0.4	95.9	2.7	0.1	0.7	1,843
Lagdera	-	0.2	0.1	0.2	97.6	1.6	0.1	0.3	1,587
Dadaab	0.2	0.5	0.1	0.1	93.2	5.2	0.1	0.7	1,820

Fafi	-	0.2	-	0.3	96.5	2.7	-	0.2	1,759
Ijara	-	0.3	0.1	0.2	87.3	12.0	-	0.1	2,831
Wajir County	0.3	0.5	0.2	0.1	93.6	4.9	0.1	0.3	14,755
Wajir North	-	0.2	0.2	0.1	98.0	1.2	0.1	0.2	2,325
Wajir East	0.8	1.0	0.3	0.2	83.4	13.7	0.2	0.4	4,305
Tarbaj	-	0.2	0.3	0.1	98.5	0.8	0.1	0.1	1,573
Wajir West	-	0.2	0.1	0.1	98.5	1.0	0.1	0.2	1,992
Eldas	-	0.4	0.3	0.1	97.1	1.7	0.1	0.3	1,562
Wajir South	0.0	0.3	0.3	0.1	97.4	1.6	0.0	0.2	2,998
Mandera County	0.2	0.3	0.1	0.1	89.6	9.4	0.0	0.2	22,260
Mandera West	0.0	0.1	0.2	0.2	98.6	0.7	0.1	0.1	2,808
Banissa	-	0.5	0.1	0.1	97.8	1.3	0.1	0.1	2,960
Mandera North	0.0	0.5	0.2	0.1	96.8	2.0	0.0	0.3	3,852
Mandera South	0.1	0.1	0.1	0.1	98.2	1.2	0.0	0.1	5,274
Mandera East	0.7	0.5	0.1	0.1	59.4	39.0	-	0.2	4,823
Lafey	0.0	0.0	0.1	0.2	98.2	0.8	0.0	0.7	2,543
Siaya County	0.1	1.0	0.3	0.3	87.5	10.6	0.1	0.1	88,552
Ugenya	0.0	0.4	0.2	0.2	92.0	7.0	0.1	0.1	13,183
Ugunja	0.2	0.7	0.2	0.2	88.5	10.1	0.0	0.1	10,590
Alego Usonga	0.2	1.4	0.3	0.4	85.9	11.7	0.1	0.0	20,877
Gem	0.1	0.7	0.3	0.3	90.0	8.5	0.0	0.0	16,138
Bondo	0.2	1.7	0.6	0.3	79.2	17.9	0.0	0.1	14,352
Rarieda	0.1	1.0	0.3	0.3	90.5	7.7	0.1	0.1	13,412
Kisumu County	0.6	3.5	2.3	0.8	71.0	21.7	0.1	0.2	80,720
Kisumu East	0.6	6.4	2.0	0.9	52.5	37.3	0.1	0.2	10,262
Kisumu West	0.3	2.0	1.2	0.7	80.7	14.7	0.1	0.2	10,493
Kisumu Central	1.7	12.6	11.4	2.8	5.7	65.3	0.0	0.5	11,831
Seme	0.1	0.6	0.1	0.2	94.0	4.8	0.1	0.1	10,893
Nyando	0.2	1.2	0.5	0.3	86.7	11.0	0.1	0.0	13,192
Muhoroni	1.0	1.3	0.4	0.3	83.9	12.9	0.1	0.2	10,722
Nyakach	0.3	0.7	0.2	0.3	90.7	7.8	0.0	0.1	13,327
Homa Bay County	0.1	0.8	0.3	0.4	88.6	9.7	0.0	0.1	88,795
Kasipul	0.2	1.0	0.4	0.4	83.6	14.2	0.0	0.1	10,876

Kabondo Kasipul	0.2	0.5	0.1	0.5	92.5	6.1	0.0	0.1	10,217
Karachuonyo	0.1	0.6	0.2	0.2	93.6	5.3	0.0	0.0	15,064
Rangwe	0.1	0.2	0.1	0.4	94.7	4.4	0.0	0.1	9,762
Homa Bay Town	0.3	1.9	0.9	0.5	70.5	25.6	0.1	0.1	8,648
Ndhiwa	0.1	0.7	0.1	0.4	94.6	4.1	0.0	0.0	16,818
Suba North	0.1	1.0	0.4	0.3	82.9	15.1	0.1	0.1	9,077
Suba South	0.1	1.1	0.2	0.4	87.0	11.2	0.0	0.1	8,333
Migori County	0.3	1.3	0.3	0.4	85.2	12.4	0.0	0.1	63,605
Rongo	0.2	1.2	0.6	0.5	85.6	11.8	-	0.1	8,295
Awendo	1.4	1.8	0.4	0.6	84.3	11.3	0.0	0.0	8,256
Suna East	0.3	2.1	0.7	0.4	79.5	16.9	0.1	0.0	6,890
Suna West	0.1	1.4	0.2	0.4	77.1	20.5	0.1	0.2	7,128
Uriri	0.0	0.4	0.1	0.4	94.7	4.3	0.0	0.1	8,333
Nyatike	0.1	1.2	0.2	0.3	87.3	10.9	0.0	0.1	11,916
Kuria West	0.1	1.4	0.4	0.4	80.8	16.9	0.0	0.1	8,643
Kuria East	0.0	0.5	0.1	0.2	93.4	5.7	-	0.0	4,144
Kisii County	0.2	1.6	0.9	0.4	89.3	7.5	0.0	0.1	81,069
Bonchari	0.2	1.0	0.7	0.5	92.2	5.3	-	0.1	8,070
South Mugirango	0.1	1.4	0.3	0.2	94.4	3.6	-	0.1	10,065
Bomachoge Borabu	0.1	1.3	0.2	0.2	91.5	6.6	0.0	0.1	6,796
Bobasi	0.1	1.1	0.1	0.3	94.4	3.9	0.0	0.0	13,662
Bomachoge Chache	0.1	2.0	0.6	0.2	91.1	6.0	0.0	0.0	6,005
Nyaribari Masaba	0.3	1.2	0.4	0.1	91.6	6.4	0.0	0.0	9,183
Nyaribari Chache	0.4	2.1	1.8	0.8	81.9	13.0	-	0.0	8,976
Kitutu Chache North	0.1	0.7	0.3	0.3	96.3	2.4	0.0	0.0	8,945
Kitutu Chache South	0.5	4.2	3.5	0.8	69.4	21.3	-	0.2	9,367
Nyamira County	0.1	1.1	0.5	0.3	91.8	6.1	0.0	0.1	42,033
Kitutu Masaba	0.1	0.9	0.3	0.3	92.7	5.6	0.0	0.1	15,296
West Mugirango	0.1	1.7	0.8	0.4	89.7	7.3	0.0	0.1	11,348
North Mugirango	0.1	0.8	0.2	0.5	94.9	3.4	0.0	0.0	7,653
Borabu	0.1	1.1	0.7	0.2	90.2	7.7	0.0	0.0	7,736
Turkana County	0.2	0.3	0.1	0.1	88.8	10.1	0.1	0.4	39,473
Turkana North	0.0	0.0	-	0.1	95.7	3.7	0.1	0.3	7,196

Turkana West	0.4	0.8	0.1	0.1	88.3	9.2	0.1	1.0	7,687
Turkana Central	0.2	0.5	0.1	0.2	74.6	23.9	0.1	0.4	9,412
Loima	-	0.1	0.0	0.1	97.6	1.8	-	0.3	7,039
Turkana South	0.3	0.0	0.1	0.2	90.0	9.3	0.1	0.1	5,392
Turkana East	-	0.1	0.0	0.2	95.2	4.0	0.1	0.4	2,747
West Pokot County	0.1	0.5	0.1	0.2	92.7	6.3	0.0	0.1	27,155
Kapenguria	0.3	0.8	0.3	0.2	83.9	14.5	0.0	0.1	9,101
Sigor	-	0.2	0.0	0.0	97.7	1.9	0.0	0.1	4,470
Kacheliba	-	0.1	0.1	0.1	98.4	1.0	0.0	0.2	5,896
Pokot South	0.0	0.6	0.1	0.2	95.9	3.1	0.0	0.1	7,688
Samburu County	0.1	0.2	0.2	0.1	85.2	13.9	0.0	0.3	21,576
Samburu West	0.1	0.4	0.2	0.2	74.8	24.1	0.0	0.1	8,118
Samburu North	0.0	0.0	0.0	0.0	93.2	6.3	0.1	0.3	6,976
Samburu East	0.1	0.1	0.2	0.2	89.7	9.2	-	0.4	6,482
Trans-Nzoia County	0.3	2.2	0.8	0.5	80.1	16.0	0.0	0.1	48,993
Kwanza	0.3	1.5	0.8	0.5	81.6	15.2	0.0	0.0	9,714
Endebess	0.3	2.0	0.1	0.4	92.7	4.4	0.0	-	4,488
Saboti	0.4	4.1	1.1	0.6	59.5	34.2	0.0	0.1	10,218
Kiminini	0.3	2.7	1.4	0.6	80.0	14.9	0.0	0.1	12,446
Cherangany	0.1	0.7	0.2	0.3	91.7	6.8	0.0	0.1	12,127
Baringo County	0.2	0.5	0.4	0.3	87.9	10.5	0.0	0.1	37,512
Tiaty	-	0.1	0.1	0.4	98.0	1.3	-	0.2	8,651
Baringo North	0.0	0.2	0.1	0.2	95.7	3.6	0.0	0.1	6,810
Baringo Central	0.5	1.7	0.8	0.4	77.2	19.4	0.0	0.1	5,495
Baringo South	0.1	0.4	0.2	0.3	88.4	10.3	0.0	0.1	5,847
Mogotio	0.1	0.4	0.2	0.2	86.8	12.2	-	0.2	3,939
Eldama Ravine	0.3	0.5	1.1	0.4	76.3	21.3	0.1	0.1	6,770
Uasin-Gishu County	0.7	5.5	5.4	0.8	57.9	29.5	0.0	0.2	56,691
Soy	0.3	2.2	0.8	0.6	83.6	12.4	0.0	0.1	10,152
Turbo	0.8	9.1	7.4	1.1	44.9	36.5	0.0	0.2	14,244
Moiben	1.0	5.2	5.9	0.9	53.9	32.8	0.0	0.4	9,437
Ainabkoi	1.0	2.1	7.2	0.8	61.3	27.5	0.0	0.1	6,634
Kapseret	0.4	8.5	5.6	0.9	41.5	42.8	0.0	0.2	8,535

Kesses	0.5	3.4	5.1	0.6	68.3	22.0	0.0	0.2	7,689
Elgeyo Marakwet County	0.2	0.5	0.2	0.2	90.7	8.1	0.0	0.0	23,429
Marakwet East	0.0	0.2	0.1	0.2	94.9	4.5	0.1	0.0	5,951
Marakwet West	0.1	0.9	0.1	0.2	88.9	9.8	0.0	0.0	6,313
Keiyo North	0.2	0.7	0.4	0.3	82.9	15.5	-	0.1	4,582
Keiyo South	0.5	0.3	0.1	0.2	94.2	4.6	0.0	0.0	6,583
Nandi County	0.2	0.8	0.7	0.4	88.7	9.1	0.0	0.1	42,105
Tinderet	0.1	0.5	0.2	0.2	93.9	5.0	0.0	0.0	4,505
Aldai	0.0	0.5	0.3	0.4	94.0	4.8	0.0	0.0	8,213
Nandi Hills	0.2	1.5	1.1	0.4	85.5	11.2	0.0	0.1	5,681
Chesumei	0.2	1.1	1.3	0.7	83.8	12.8	0.0	0.1	8,006
Emgwen	0.4	0.9	1.1	0.3	82.8	14.4	0.1	0.1	7,917
Mosop	0.0	0.7	0.2	0.2	93.6	5.2	0.1	0.0	7,783
Laikipia County	0.4	2.3	3.6	0.3	69.7	23.5	0.1	0.1	34,825
Laikipia West	0.4	1.0	2.9	0.3	70.7	24.5	0.1	0.1	17,108
Laikipia East	0.6	5.7	6.4	0.4	54.6	32.0	0.0	0.2	10,613
Laikipia North	0.2	0.3	0.9	0.3	89.9	8.3	0.1	0.2	7,104
Nakuru County	0.9	5.7	4.9	0.8	49.7	37.9	0.0	0.2	126,104
Molo	0.4	1.2	1.2	0.3	62.1	34.6	0.0	0.1	9,120
Njoro	0.3	0.8	1.5	0.3	67.4	29.5	0.1	0.1	14,393
Naivasha	1.0	10.5	6.4	0.7	28.9	52.2	0.1	0.2	21,699
Gilgil	1.1	4.1	3.5	0.6	56.2	34.5	0.0	0.1	12,469
Kuresoi South	0.1	1.0	0.1	0.1	89.8	8.8	0.0	0.0	6,975
Kuresoi North	0.1	0.3	0.1	0.1	87.5	11.7	0.1	0.0	8,250
Subukia	0.2	0.8	0.4	0.3	82.9	15.3	0.0	0.1	8,031
Rongai	0.5	2.3	3.2	0.4	68.4	25.0	0.0	0.1	9,846
Bahati	0.6	3.7	3.9	0.7	49.3	41.6	0.0	0.2	11,087
Nakuru Town West	1.4	14.3	9.1	2.0	10.7	62.1	-	0.3	10,649
Nakuru Town East	2.8	13.6	17.1	2.1	3.6	60.5	0.0	0.3	13,585
Narok County	0.1	1.2	0.8	0.3	83.2	14.1	0.1	0.2	56,237
Kilgoris	0.1	1.0	0.5	0.3	85.9	12.0	0.1	0.1	10,285
Emurua Dikirr	0.0	1.0	0.1	0.2	97.1	1.6	-	0.0	4,900
Narok North	0.3	2.2	2.1	0.5	62.3	32.3	0.1	0.2	11,563

Narok East	0.1	0.8	0.3	0.2	75.7	22.1	0.1	0.6	6,155
Narok South	0.0	0.9	0.1	0.2	92.1	6.5	0.1	0.1	12,184
Narok West	0.1	1.2	0.9	0.3	90.7	6.5	0.0	0.2	11,150
Kajiado County	0.8	12.6	11.1	0.9	53.2	20.9	0.0	0.4	53,247
Kajiado North	2.0	28.1	32.2	2.0	8.9	26.6	0.0	0.2	13,618
Kajiado Central	0.2	2.6	1.4	0.5	73.7	21.4	0.0	0.2	9,649
Kajiado East	1.1	20.6	9.7	1.3	37.1	29.0	0.1	1.1	10,079
Kajiado West	0.2	5.1	3.6	0.3	80.9	9.8	0.1	0.2	9,319
Kajiado South	0.1	1.0	0.8	0.3	82.6	15.1	0.0	0.1	10,582
Kericho County	0.4	1.6	1.0	0.4	83.7	12.8	0.0	0.1	41,758
Kipkelion East	0.1	0.6	0.2	0.1	88.2	10.7	0.0	0.0	7,182
Kipkelion West	-	0.7	0.2	0.1	95.2	3.9	-	0.0	5,390
Ainamoi	0.7	3.4	2.9	1.0	62.6	29.2	0.0	0.1	8,439
Bureti	0.4	1.5	0.9	0.3	85.4	11.4	0.0	0.0	8,517
Belgut	0.6	1.4	0.7	0.4	89.6	7.1	0.1	0.1	6,710
Sigowet/Soin	0.2	1.7	0.3	0.3	89.1	8.3	0.0	0.1	5,520
Bomet County	0.2	1.2	0.3	0.2	91.7	6.3	0.1	0.0	43,197
Sotik	0.2	1.7	0.6	0.2	90.0	7.2	0.1	0.0	10,071
Chepalungu	0.0	0.6	0.1	0.1	96.1	3.0	0.1	0.1	10,961
Bomet East	0.0	1.9	0.2	0.2	91.4	6.2	0.1	0.1	8,204
Bomet Central	0.5	1.3	0.7	0.2	85.8	11.3	0.1	0.0	6,432
Konoin	0.3	0.8	0.3	0.3	92.8	5.6	0.1	0.0	7,529
Kakamega County	0.3	1.7	0.7	0.4	88.6	8.1	0.0	0.1	120,830
Lugari	0.0	1.2	0.4	0.3	91.5	6.3	0.0	0.1	10,920
Likuyani	0.1	1.8	0.5	0.3	88.4	8.5	0.1	0.1	8,871
Malava	0.1	0.9	0.3	0.3	91.7	6.8	0.0	0.0	12,010
Lurambi	0.9	5.3	3.9	1.4	58.5	29.8	0.0	0.4	10,753
Navakholo	0.1	0.5	0.2	0.3	96.6	2.3	0.0	0.0	9,411
Mumias West	2.3	3.0	1.6	0.6	74.0	18.3	0.0	0.1	8,706
Mumias East	0.1	2.1	0.3	0.3	91.8	5.4	0.0	0.0	7,283
Matungu	0.1	1.3	0.2	0.3	92.8	5.3	0.0	0.0	10,433
Butere	0.1	1.0	0.3	0.5	92.7	5.2	0.0	0.0	11,114
Khwisero	0.0	1.0	0.2	0.2	96.0	2.5	0.0	0.1	9,749

Shinyalu	0.2	2.0	0.4	0.3	92.3	4.7	0.0	0.1	12,281
Ikolomani	0.1	0.9	0.3	0.3	96.8	1.5	0.0	0.0	9,299
Vihiga County	0.2	1.5	0.5	0.3	92.4	5.0	0.0	0.0	48,653
Vihiga	0.3	2.5	0.8	0.4	88.7	7.2	-	0.0	8,244
Sabatia	0.2	1.6	0.5	0.3	92.1	5.3	-	0.1	11,356
Hamisi	0.2	1.4	0.5	0.3	93.0	4.7	0.0	0.0	12,022
Luanda	0.1	1.3	0.5	0.4	91.7	5.9	0.0	0.1	8,538
Emuhaya	0.1	0.7	0.2	0.4	96.5	2.1	0.0	0.0	8,493
Bungoma County	0.2	1.6	0.6	0.4	86.1	11.1	0.0	0.1	80,184
Mt Elgon	0.0	1.0	0.1	0.3	90.7	7.7	-	0.0	9,237
Sirisia	0.1	1.0	0.2	0.3	92.9	5.4	0.0	0.0	6,019
Kabuchai	0.1	1.2	0.3	0.3	88.9	9.2	-	0.1	8,291
Bumula	0.0	0.5	0.1	0.2	96.1	3.0	0.0	0.0	10,738
Kanduyi	0.7	3.1	1.7	0.8	67.1	26.5	0.0	0.1	13,538
Webuye East	0.1	1.6	0.6	0.6	84.0	13.0	-	0.1	5,876
Webuye West	0.1	2.7	1.1	0.4	81.1	14.4	0.0	0.1	7,191
Kimilili	0.2	2.1	0.6	0.5	83.8	12.7	0.0	0.1	7,753
Tongaren	0.0	0.7	0.2	0.2	95.6	3.2	0.0	0.0	11,541
Busia County	0.1	1.1	0.4	0.3	86.6	11.5	0.0	0.1	56,097
Teso North	0.1	2.7	0.9	0.5	78.2	17.4	0.0	0.1	7,251
Teso South	0.2	0.8	0.5	0.3	86.6	11.4	0.0	0.0	8,350
Nambale	0.1	0.8	0.2	0.3	90.5	7.9	0.1	0.1	6,660
Matayos	0.3	1.6	0.6	0.3	75.3	21.7	-	0.1	8,425
Butula	0.0	0.7	0.1	0.2	93.2	5.7	0.0	0.0	11,328
Funyula	0.0	0.5	0.2	0.2	94.2	4.9	0.0	0.1	7,790
Budalangi	0.2	0.8	0.2	0.1	85.5	13.2	-	0.1	6,293

Annex table 27: Lighting fuel by county and constituency

County/Constituency	Electricity	Pressure lamp	Lantern	Tin lamp	Gas lamp	Fuel wood	Solar	Other	Households
Kenya	22.9	0.6	30.6	38.5	0.9	4.3	1.6	0.6	5,762,320
Rural	5.2	0.4	34.7	49.0	1.0	6.7	2.2	0.7	3,413,616
Urban	51.4	0.8	23.9	21.6	0.6	0.4	0.7	0.6	2,348,704
Nairobi County	72.3	1.1	13.1	12.6	0.1	0.1	0.1	0.7	739,199
Westlands	72.6	0.7	12.2	13.4	0.2	0.1	0.1	0.7	43,574
Dagoretti North	67.7	0.8	13.5	17.3	0.2	0.1	0.1	0.4	43,240
Dagoretti South	79.3	0.7	11.0	8.1	0.1	0.1	0.1	0.6	42,170
Langata	70.6	0.7	13.0	14.6	0.1	0.1	0.1	0.8	39,741
Kibra	59.7	0.9	12.3	26.5	0.1	0.1	0.0	0.3	49,942
Roysambu	80.6	1.0	11.9	5.6	0.1	0.1	0.1	0.5	42,234
Kasarani	68.5	1.4	20.3	8.1	0.2	0.0	0.4	1.0	37,967
Ruaraka	65.7	1.5	13.9	17.9	0.1	0.1	0.1	0.7	48,375
Embakasi South	58.6	1.1	18.6	20.4	0.1	0.1	0.0	0.9	61,440
Embakasi North	80.9	1.5	9.5	7.3	0.2	0.0	0.1	0.6	45,086
Embakasi Central	83.4	1.2	9.7	4.6	0.1	0.1	0.2	0.7	44,069
Embakasi East	66.3	1.3	19.4	11.5	0.2	0.1	0.2	1.1	37,845
Embakasi West	88.0	0.6	7.3	3.0	0.1	0.0	0.1	0.8	32,893
Makadara	69.2	1.2	15.6	12.9	0.1	0.0	0.0	1.0	43,355
Kamukunji	71.8	1.0	15.1	10.5	0.2	0.1	0.1	1.3	42,495
Starehe	78.8	0.8	9.7	9.9	0.1	0.1	0.1	0.5	36,497
Mathare	74.5	1.2	8.0	15.6	0.0	0.0	0.0	0.6	48,276
Nyandarua County	10.6	0.6	55.5	26.1	0.6	0.3	6.1	0.2	92,263
Kinangop	10.8	0.7	60.1	22.7	0.6	0.1	4.7	0.2	30,065
Kipipiri	4.7	0.5	63.3	25.1	0.6	0.2	5.4	0.2	13,901
Ol Kalou	13.5	0.5	52.4	26.6	0.8	0.2	5.8	0.2	17,659
Ol Jorok	13.8	0.8	52.2	26.3	0.6	0.3	5.9	0.2	15,711
Ndaragwa	8.9	0.5	46.7	32.8	0.6	0.5	9.7	0.4	14,927
Nyeri County	26.2	0.8	34.5	33.0	0.5	0.5	4.3	0.2	128,319
Tetu	19.3	1.2	39.1	35.7	0.7	0.5	3.4	0.2	13,547
Kieni	14.9	0.8	40.2	32.9	0.6	1.0	9.3	0.3	34,360
Mathira	27.5	1.0	37.0	30.8	0.5	0.3	2.8	0.1	27,615
Othaya	25.0	0.9	34.8	36.1	0.5	0.2	2.4	0.1	14,834
Mukurwe-Ini	13.3	0.3	34.3	47.6	0.5	0.3	3.5	0.1	14,255
Nyeri Town	54.5	0.6	20.5	22.2	0.3	0.2	1.3	0.5	23,708
Kirinyaga County	16.4	0.7	33.6	44.7	0.7	0.3	3.5	0.2	106,905
Mwea	14.8	0.7	30.7	49.2	0.5	0.4	3.3	0.3	39,514
Gichugu	14.3	0.5	31.9	48.6	0.7	0.2	3.7	0.1	25,509
Ndia	14.5	0.5	40.3	38.9	0.8	0.2	4.5	0.2	19,339
Kirinyaga Central	23.2	1.0	34.2	38.0	0.7	0.1	2.6	0.2	22,543
Muranga County	13.8	0.6	39.5	42.9	0.5	0.2	2.3	0.2	158,183
Kangema	11.7	0.4	48.6	35.0	0.6	0.2	3.4	0.2	13,208
Mathioya	14.0	0.4	30.5	52.4	0.6	0.4	1.6	0.1	14,503
Kiharu	18.5	0.5	38.7	38.6	0.5	0.2	2.7	0.2	31,300
Kigumo	7.7	0.5	44.7	43.9	0.4	0.2	2.4	0.2	20,999
Maragua	12.3	0.4	31.2	53.2	0.4	0.3	2.0	0.2	24,940

Kandara	11.5	0.9	37.7	47.2	0.6	0.1	2.0	0.1	25,664
Gatanga	17.5	0.6	46.7	31.9	0.7	0.2	2.2	0.2	27,569
Kiambu County	54.4	0.7	25.7	17.6	0.3	0.2	0.8	0.4	327,558
Gatundu South	19.9	0.7	42.4	34.4	0.5	0.1	1.8	0.1	19,229
Gatundu North	17.0	0.4	42.7	36.3	0.6	0.4	2.6	0.1	16,215
Juja	47.3	0.8	32.1	17.4	0.2	0.4	1.1	0.7	27,344
Thika Town	54.9	1.1	26.8	15.6	0.2	0.1	0.6	0.7	37,185
Ruiru	75.4	0.8	14.4	8.5	0.1	0.1	0.2	0.5	47,939
Githunguri	41.9	0.6	32.8	23.3	0.3	0.1	0.6	0.3	27,089
Kiambu	66.5	0.7	16.2	15.5	0.3	0.1	0.3	0.3	22,644
Kiambaa	70.1	0.6	14.5	14.0	0.2	0.1	0.2	0.3	30,984
Kabete	74.6	0.6	14.6	9.1	0.3	0.1	0.2	0.4	29,836
Kikuyu	66.1	0.5	21.1	11.0	0.3	0.2	0.5	0.2	25,511
Limuru	49.6	0.6	30.0	18.3	0.3	0.1	0.7	0.4	22,778
Lari	28.4	0.5	41.5	27.1	0.3	0.1	1.7	0.4	20,804
Mombasa County	59.0	1.0	16.0	22.8	0.2	0.2	0.1	0.6	206,719
Changamwe	64.6	0.8	18.2	15.7	0.2	0.1	0.1	0.5	32,464
Jomvu	41.3	1.0	23.9	32.1	0.2	0.2	0.2	1.1	26,909
Kisauni	56.0	1.1	15.5	26.2	0.2	0.1	0.2	0.6	40,298
Nyali	60.7	1.2	15.0	22.0	0.2	0.1	0.1	0.6	42,885
Likoni	52.8	1.3	16.4	28.5	0.2	0.4	0.1	0.4	39,708
Mvita	82.4	0.5	6.5	9.4	0.2	0.3	0.1	0.7	24,455
Kwale County	10.6	0.6	13.0	73.2	0.3	1.3	0.8	0.3	80,118
Msabweni	27.4	0.8	18.5	50.9	0.3	0.9	0.5	0.6	23,816
Lunga Lunga	2.9	0.5	8.7	85.0	0.3	1.9	0.7	0.1	17,328
Matuga	8.0	0.5	14.4	74.2	0.4	0.7	1.5	0.2	19,145
Kinango	2.5	0.4	9.7	84.7	0.3	1.6	0.7	0.1	19,829
Kilifi County	16.5	0.7	16.7	63.0	0.5	1.8	0.6	0.3	128,348
Kilifi North	18.8	0.8	21.3	57.4	0.4	0.3	0.6	0.3	24,373
Kilifi South	23.7	0.7	14.5	59.5	0.5	0.2	0.4	0.5	24,035
Kaloleni	13.3	0.5	13.7	70.7	0.5	0.4	0.7	0.1	15,784
Rabai	9.5	0.5	10.8	77.6	0.4	0.2	0.8	0.2	10,848
Ganze	1.9	0.3	10.1	80.2	0.6	6.3	0.4	0.2	11,193
Malindi	29.4	1.4	21.9	45.1	0.5	0.7	0.4	0.5	23,768
Magarini	5.4	0.4	18.2	68.6	0.3	6.2	0.6	0.2	18,347
Tana River County	2.4	0.2	19.9	66.8	1.2	6.1	0.9	2.5	31,379
Garsen	2.2	0.2	16.3	74.7	0.3	3.7	1.0	1.5	12,805
Galole	3.0	0.3	16.1	72.3	0.5	5.4	1.6	0.9	7,579
Bura	2.1	0.1	26.8	53.8	2.6	9.2	0.4	4.9	10,995
Lamu County	16.8	0.6	33.2	39.1	0.7	2.3	5.4	1.9	15,813
Lamu East	7.7	0.3	70.9	12.2	0.5	1.8	6.4	0.2	2,582
Lamu West	18.6	0.7	25.6	44.5	0.8	2.4	5.2	2.3	13,231
Taita-Taveta County	15.0	0.5	45.9	34.8	0.4	0.6	2.3	0.6	46,628
Taveta	14.2	0.6	33.0	49.0	0.2	0.6	2.0	0.4	11,740
Wundanyi	17.6	0.5	46.9	31.2	0.5	0.6	2.0	0.9	9,305
Mwatate	8.3	0.2	47.2	40.7	0.4	0.4	2.6	0.2	11,527
Voi	19.2	0.6	53.7	21.9	0.4	0.7	2.5	0.9	14,056
Marsabit County	7.7	0.1	23.7	12.1	2.9	47.1	1.2	5.2	33,330

Moyale	14.6	0.1	40.4	18.3	5.2	20.4	0.6	0.4	10,325
North Horr	0.1	0.1	8.3	4.5	2.0	68.9	1.3	14.8	10,553
Saku	18.9	0.4	39.3	26.8	3.9	8.5	1.2	1.1	5,750
Laisamis	0.1	0.0	10.3	2.8	0.5	81.5	1.9	2.9	6,702
Isiolo County	18.7	0.5	30.8	19.6	2.5	23.3	1.4	3.3	19,020
Isiolo North	25.7	0.5	24.8	22.0	2.7	21.2	1.3	1.8	13,062
Isiolo South	0.7	0.6	46.2	13.4	2.0	28.5	1.5	7.0	5,958
Meru County	13.7	0.7	28.0	49.2	0.8	1.8	5.5	0.4	221,998
Igembe South	12.5	0.7	25.3	53.3	1.2	2.6	3.6	0.8	22,483
Igembe Central	4.5	0.6	24.8	63.6	1.0	2.1	3.0	0.6	28,816
Igembe North	5.6	0.7	20.9	64.1	0.8	5.5	1.9	0.3	21,681
Tigania West	4.1	0.4	15.9	70.8	0.7	1.3	6.5	0.3	18,221
Tigania East	4.1	0.4	17.3	71.3	0.7	2.3	3.5	0.3	21,181
North Imenti	38.8	0.7	28.7	25.6	0.8	0.3	4.8	0.3	28,252
Buuri	14.1	0.9	44.2	28.7	1.0	1.3	9.5	0.4	26,604
Central Imenti	14.6	0.5	35.7	38.4	0.6	0.9	9.1	0.2	21,125
South Imenti	16.5	0.8	32.1	42.1	0.6	0.8	6.7	0.4	33,635
Tharaka Nithi County	8.3	0.4	31.7	48.9	0.6	3.0	6.5	0.7	59,079
Maara	9.6	0.5	43.3	38.6	0.7	1.1	6.0	0.3	19,764
Chuka/Igambangombe	11.4	0.4	36.1	43.3	0.7	2.2	5.3	0.6	21,832
Tharaka	2.9	0.3	13.8	66.6	0.6	5.9	8.4	1.4	17,483
Embu County	14.3	0.8	35.6	44.0	0.6	0.9	3.4	0.5	86,215
Manyatta	28.6	0.8	29.1	37.9	0.6	0.5	2.2	0.3	28,078
Runyenjes	11.1	1.0	39.1	44.2	0.6	0.6	3.3	0.2	25,528
Mbeere South	4.3	0.4	41.3	46.6	0.6	1.0	5.2	0.5	19,686
Mbeere North	5.9	0.8	34.1	51.9	0.7	1.8	3.5	1.3	12,923
Kitui County	4.8	0.6	54.1	31.4	0.7	5.0	2.9	0.6	110,589
Mwingi North	1.5	0.7	58.4	21.2	0.8	13.8	2.2	1.5	13,719
Mwingi West	8.3	0.5	59.5	25.0	0.5	0.8	4.9	0.5	13,605
Mwingi Central	4.4	0.5	54.1	28.8	0.8	7.5	2.7	1.2	13,008
Kitui West	5.0	0.5	57.1	31.8	0.7	0.3	4.6	0.1	11,462
Kitui Rural	1.4	0.8	49.2	42.3	0.8	2.6	2.4	0.5	11,693
Kitui Central	14.4	0.6	51.3	29.4	0.5	0.8	2.9	0.1	16,430
Kitui East	1.4	0.5	51.1	33.9	0.7	9.4	2.2	0.8	13,499
Kitui South	0.4	0.5	51.8	39.9	0.6	4.8	1.6	0.4	17,173
Machakos County	17.0	0.7	54.3	24.2	0.5	0.2	2.6	0.4	165,090
Masinga	4.2	0.2	57.6	33.9	0.4	0.4	3.0	0.3	15,335
Yatta	9.3	0.4	60.9	25.8	0.5	0.3	2.5	0.3	19,015
Kangundo	8.9	0.5	62.6	23.1	0.9	0.2	3.6	0.2	13,473
Matungulu	10.3	0.8	59.3	24.7	0.7	0.2	3.3	0.6	18,319
Kathiani	5.2	0.8	65.5	24.7	0.5	0.3	2.7	0.3	13,362
Mavoko	46.4	1.1	31.8	18.5	0.3	0.1	1.0	0.9	35,172
Machakos Town	24.3	0.9	54.5	17.0	0.4	0.1	2.3	0.4	30,452
Mwala	5.1	0.6	57.1	32.3	0.7	0.2	3.7	0.2	19,962
Makueni County	5.7	0.4	63.4	25.4	0.5	0.6	3.8	0.3	108,060
Mbooni	2.1	0.6	62.7	29.3	0.4	0.4	4.3	0.1	21,097
Kilome	5.9	0.4	68.0	20.8	0.7	0.5	3.2	0.4	11,342
Kaiti	2.9	0.4	68.7	21.9	0.4	0.7	5.0	0.1	13,556

Makueni	5.9	0.4	69.3	19.0	0.5	0.7	4.0	0.3	23,388
Kibwezi West	10.7	0.4	57.3	27.4	0.5	0.7	2.6	0.3	22,272
Kibwezi East	6.2	0.3	55.7	32.8	0.4	0.6	3.5	0.4	16,405
Garissa County	15.4	0.4	19.4	30.6	14.1	13.3	0.4	6.3	53,423
Garissa Township	52.8	0.5	16.5	13.9	13.1	2.5	0.3	0.5	13,752
Balambala	0.1	0.1	17.8	37.6	9.7	20.1	0.1	14.4	8,823
Lagdera	0.1	0.1	33.2	19.4	13.6	24.4	0.3	8.9	10,087
Dadaab	1.0	0.9	5.2	19.1	33.3	30.8	0.3	9.4	7,424
Fafi	0.3	0.2	24.3	46.5	7.6	8.6	0.2	12.3	4,326
Ijara	0.5	0.2	20.9	64.3	8.8	3.1	1.2	1.0	9,011
Wajir County	3.4	0.1	31.0	17.2	11.0	29.3	0.2	7.8	62,285
Wajir North	0.0	0.1	24.0	19.8	10.1	44.0	0.3	1.8	11,685
Wajir East	14.6	0.2	42.3	14.5	11.7	12.6	0.1	3.9	11,499
Tarbij	0.1	0.1	29.3	5.6	6.8	55.1	0.1	3.0	8,793
Wajir West	0.6	0.0	39.8	26.1	4.8	23.1	0.1	5.5	9,887
Eldas	0.0	0.0	20.3	29.8	16.7	27.6	0.2	5.4	7,625
Wajir South	1.3	0.1	26.7	11.3	15.4	21.7	0.2	23.3	12,796
Mandera County	2.5	0.2	33.2	13.1	10.8	36.7	0.2	3.2	97,817
Mandera West	0.1	0.1	52.4	6.1	3.8	37.0	0.2	0.3	14,614
Banissa	0.1	0.2	23.7	12.9	4.9	56.8	0.2	1.0	15,916
Mandera North	0.2	0.2	22.3	16.1	17.1	40.2	0.3	3.5	16,318
Mandera South	0.8	0.1	37.7	11.3	6.0	42.4	0.2	1.5	23,630
Mandera East	15.3	0.6	37.3	21.1	17.4	4.9	0.4	3.1	12,070
Lafey	0.7	0.1	25.5	12.1	18.5	31.8	0.2	11.1	15,269
Siaya County	4.3	0.4	20.6	73.0	0.4	0.2	0.9	0.1	106,856
Ugenya	3.2	0.3	15.3	79.7	0.5	0.1	0.8	0.1	12,407
Ugunja	4.4	0.4	18.2	75.4	0.5	0.2	0.8	0.1	11,367
Alego Usonga	5.3	0.4	18.0	74.7	0.4	0.3	0.8	0.1	23,580
Gem	4.6	0.4	18.6	74.8	0.5	0.2	0.8	0.1	20,258
Bondo	5.0	0.6	27.5	65.0	0.4	0.2	1.1	0.3	22,004
Rarieda	2.5	0.4	24.6	70.5	0.4	0.3	1.1	0.2	17,240
Kisumu County	18.3	0.5	23.2	56.2	0.4	0.2	1.0	0.2	141,137
Kisumu East	20.2	0.6	26.6	51.2	0.4	0.2	0.5	0.3	26,645
Kisumu West	11.8	0.5	25.5	60.5	0.4	0.2	1.0	0.1	17,981
Kisumu Central	56.4	0.5	19.1	23.5	0.1	0.1	0.1	0.3	31,231
Seme	2.6	0.3	17.1	78.4	0.4	0.2	1.0	0.0	11,755
Nyando	5.1	0.6	22.5	69.7	0.5	0.3	1.3	0.1	16,676
Muhoroni	7.8	0.7	22.7	66.6	0.4	0.3	1.3	0.2	22,188
Nyakach	2.8	0.5	28.7	64.5	0.8	0.4	2.3	0.1	14,661
Homa Bay County	3.3	0.5	21.2	73.0	0.5	0.4	1.0	0.1	114,397
Kasipul	6.8	0.4	27.3	63.5	0.5	0.2	1.2	0.2	13,329
Kabondo Kasipul	2.7	0.5	19.3	75.1	0.7	0.2	1.3	0.0	11,786
Karachuonyo	1.2	0.4	24.4	71.5	0.6	0.3	1.4	0.1	18,869
Rangwe	2.0	0.4	16.0	80.0	0.5	0.4	0.7	0.0	10,899
Homa Bay Town	11.5	0.7	23.1	63.1	0.5	0.2	0.6	0.2	12,661
Ndhiwa	1.1	0.4	13.4	83.4	0.5	0.5	0.6	0.1	19,706
Suba North	2.4	0.4	27.3	67.4	0.2	0.9	1.3	0.1	14,463
Suba South	1.3	0.4	21.0	75.3	0.5	0.4	1.0	0.2	12,684

Migori County	5.2	0.6	25.6	66.4	0.6	0.6	0.8	0.2	102,882
Rongo	8.0	0.9	24.3	64.6	1.0	0.2	0.8	0.1	11,204
Awendo	10.6	0.5	18.4	68.9	0.5	0.2	0.9	0.2	13,563
Suna East	8.5	0.5	25.1	63.7	0.6	0.5	0.9	0.2	11,774
Suna West	5.3	0.7	27.3	64.9	0.5	0.4	0.9	0.1	11,093
Uriri	1.8	0.4	17.2	78.6	0.8	0.2	1.0	0.0	12,534
Nyatike	0.8	0.5	28.6	68.0	0.4	0.6	1.0	0.2	15,417
Kuria West	5.9	0.6	32.6	58.5	0.5	1.1	0.4	0.2	18,711
Kuria East	0.3	0.4	31.1	64.5	0.8	2.0	0.8	0.1	8,586
Kisii County	8.0	0.4	31.7	58.0	0.6	0.3	0.9	0.1	155,419
Bonchari	8.1	0.2	21.7	68.4	0.5	0.2	0.6	0.1	15,315
South Mugirango	3.2	0.3	26.9	67.7	0.5	0.3	0.9	0.1	21,319
Bomachoge Borabu	5.1	0.4	36.9	55.7	0.8	0.1	0.9	0.1	13,470
Bobasi	3.4	0.4	37.1	57.3	0.6	0.5	0.8	0.0	24,854
Bomachoge Chache	5.7	0.4	34.6	57.1	0.5	0.7	1.0	0.0	12,081
Nyaribari Masaba	5.1	0.4	32.4	60.4	0.5	0.2	1.0	0.0	16,271
Nyaribari Chache	15.3	0.6	35.9	46.3	0.6	0.2	0.9	0.1	18,919
Kitutu Chache North	2.0	0.3	32.2	63.6	0.6	0.3	1.0	0.1	13,427
Kitutu Chache South	23.1	0.3	27.3	47.3	0.4	0.1	1.2	0.3	19,763
Nyamira County	5.8	0.4	40.3	51.6	0.5	0.2	1.0	0.1	85,702
Kitutu Masaba	4.2	0.5	42.8	50.5	0.6	0.2	1.2	0.1	27,112
West Mugirango	7.4	0.5	39.1	51.3	0.6	0.2	0.8	0.1	22,549
North Mugirango	4.1	0.2	37.9	55.8	0.5	0.5	0.9	0.1	17,581
Borabu	7.9	0.5	40.3	49.5	0.4	0.2	1.1	0.1	18,460
Turkana County	2.2	0.1	8.1	9.2	0.5	76.1	0.8	2.9	67,081
Turkana North	0.2	0.1	2.7	3.7	0.5	88.3	0.5	4.0	12,103
Turkana West	2.5	0.2	7.2	9.1	0.5	76.3	0.9	3.4	13,666
Turkana Central	7.1	0.2	16.1	14.5	0.5	56.2	1.4	4.1	12,369
Loima	0.0	0.1	1.8	1.8	0.6	93.2	0.3	2.2	9,246
Turkana South	1.2	0.1	10.4	14.2	0.6	71.6	0.8	1.2	11,480
Turkana East	0.1	0.2	9.8	11.6	0.6	75.7	0.7	1.3	8,217
West Pokot County	3.0	0.1	23.9	24.9	0.5	46.8	0.5	0.4	51,791
Kapenguria	8.0	0.2	29.3	30.6	0.5	30.6	0.5	0.3	17,559
Sigor	0.2	0.0	13.3	18.9	0.5	66.5	0.4	0.2	10,370
Kacheliba	0.1	0.0	6.3	9.7	0.5	82.3	0.4	0.7	9,442
Pokot South	0.7	0.1	36.7	32.4	0.6	28.5	0.6	0.4	14,420
Samburu County	5.8	0.3	10.6	19.4	0.9	60.7	1.4	0.8	23,787
Samburu West	14.2	0.2	14.8	34.9	1.0	32.9	1.4	0.5	8,837
Samburu North	0.4	0.1	6.1	10.7	1.1	80.2	0.9	0.6	8,848
Samburu East	1.4	0.9	10.5	9.4	0.6	73.8	2.0	1.5	6,102
Trans-Nzoia County	9.0	0.6	38.8	49.3	0.6	0.6	0.8	0.3	117,604
Kwanza	9.0	0.6	34.8	53.5	0.6	0.5	0.6	0.4	22,672
Endebess	1.8	0.2	23.3	72.3	0.5	1.5	0.3	0.1	13,017
Saboti	13.4	0.6	35.1	49.2	0.6	0.4	0.4	0.3	28,605
Kiminini	12.4	0.9	42.1	42.0	0.7	0.4	1.2	0.2	26,895
Cherangany	4.3	0.4	49.3	43.1	0.7	0.6	1.4	0.3	26,415
Baringo County	9.3	0.4	39.3	20.1	0.7	27.9	1.7	0.4	69,621
Tiaty	0.2	0.1	5.1	3.0	0.7	89.8	0.6	0.6	12,501

Baringo North	6.1	0.2	42.8	22.6	0.9	24.9	2.1	0.5	12,125
Baringo Central	23.9	0.5	43.9	19.2	0.5	10.1	1.6	0.2	10,369
Baringo South	5.1	0.6	42.4	30.4	1.0	17.9	2.0	0.6	10,976
Mogotio	4.8	0.3	54.8	26.2	0.8	10.4	2.5	0.3	7,914
Eldama Ravine	15.9	0.7	54.9	24.1	0.5	1.8	2.0	0.3	15,736
Uasin-Gishu County	27.9	0.6	44.2	24.9	0.4	0.3	1.2	0.4	141,378
Soy	10.1	0.5	53.1	33.7	0.6	0.2	1.6	0.2	21,928
Turbo	37.8	0.8	34.3	25.8	0.3	0.3	0.5	0.3	35,548
Moiben	30.4	0.6	48.4	17.5	0.4	0.5	1.5	0.7	24,201
Ainabkoi	28.2	0.5	48.6	19.9	0.4	0.5	1.5	0.3	15,607
Kapseret	32.7	0.5	41.8	22.5	0.3	0.2	1.2	0.8	25,440
Kesses	21.3	0.7	46.5	29.3	0.4	0.3	1.2	0.3	18,654
Elgeyo Marakwet County	6.9	0.3	47.2	28.1	0.6	15.2	1.5	0.3	52,320
Marakwet East	0.2	0.2	31.3	25.0	0.8	40.7	1.3	0.5	11,697
Marakwet West	4.6	0.3	48.7	37.3	0.5	7.1	1.4	0.2	14,655
Keiyo North	13.9	0.2	51.0	24.4	0.2	8.3	1.6	0.3	10,644
Keiyo South	9.7	0.4	55.8	24.5	0.6	7.1	1.6	0.2	15,324
Nandi County	6.2	0.3	42.2	49.1	0.5	0.2	1.3	0.2	108,390
Tinderet	2.4	0.2	30.7	64.5	0.3	0.3	1.4	0.1	14,586
Aldai	3.1	0.3	36.5	58.1	0.5	0.2	1.1	0.2	20,571
Nandi Hills	7.4	0.4	33.1	57.3	0.5	0.1	1.0	0.1	18,334
Chesumei	10.5	0.3	49.0	37.9	0.5	0.1	1.3	0.3	18,003
Emgwen	10.4	0.5	42.6	44.2	0.5	0.4	1.3	0.2	18,962
Mosop	2.7	0.3	58.0	36.5	0.7	0.2	1.5	0.1	17,934
Laikipia County	18.1	0.5	35.2	33.8	0.7	5.2	5.9	0.4	62,287
Laikipia West	17.3	0.4	38.1	34.5	0.8	2.6	6.0	0.3	30,852
Laikipia East	27.5	0.9	36.7	26.4	0.5	0.5	7.1	0.4	20,397
Laikipia North	4.4	0.3	25.2	44.7	0.9	20.3	3.4	0.8	11,038
Nakuru County	33.9	0.6	36.2	25.3	0.5	0.8	2.3	0.5	275,541
Molo	18.9	0.5	45.5	30.9	0.6	0.9	2.3	0.5	20,787
Njoro	13.0	0.6	49.3	32.4	0.7	0.8	3.0	0.3	27,929
Naivasha	40.2	0.5	34.1	21.3	0.4	0.6	2.2	0.6	45,578
Gilgil	25.7	0.5	38.8	28.7	0.5	0.5	4.4	0.8	23,830
Kuresoi South	3.3	0.3	51.0	37.8	0.5	4.0	2.9	0.2	15,965
Kuresoi North	2.7	0.3	42.2	51.4	0.4	1.2	1.6	0.3	17,798
Subukia	12.2	0.5	46.6	33.5	0.6	0.4	5.9	0.3	13,729
Rongai	25.5	0.4	43.6	25.9	0.8	1.5	2.1	0.3	20,986
Bahati	40.7	1.4	36.2	17.9	1.0	0.2	2.3	0.3	23,855
Nakuru Town West	63.2	0.5	20.3	14.9	0.1	0.2	0.3	0.5	34,488
Nakuru Town East	77.1	0.5	12.7	8.4	0.2	0.1	0.4	0.6	30,596
Narok County	5.9	0.5	28.9	54.0	0.5	7.7	1.4	1.2	107,586
Kilgoris	3.9	0.4	18.3	73.9	0.6	0.9	1.2	0.9	21,420
Emuria Dikirr	0.2	0.5	33.6	63.0	0.3	1.0	1.3	0.1	11,447
Narok North	16.3	0.6	32.2	40.8	0.4	8.1	0.8	0.7	26,091
Narok East	4.5	0.7	20.4	63.3	0.9	7.4	0.9	1.9	11,150
Narok South	0.8	0.4	36.2	43.4	0.6	16.1	1.7	0.8	21,687
Narok West	4.2	0.4	30.5	50.7	0.3	8.9	2.3	2.6	15,791
Kajiado County	40.0	0.8	18.9	35.7	0.4	2.2	1.0	1.0	116,882

Kajiado North	71.0	0.9	15.3	11.5	0.4	0.1	0.2	0.6	43,060
Kajiado Central	21.9	0.5	16.6	56.5	0.2	2.8	0.5	1.0	12,749
Kajiado East	42.5	0.7	23.6	29.4	0.3	0.8	1.5	1.3	26,610
Kajiado West	21.3	0.5	16.0	52.1	0.7	6.3	1.6	1.5	15,913
Kajiado South	6.4	1.4	24.1	60.4	0.5	4.2	1.9	1.2	18,550
Kericho County	10.6	0.4	51.1	35.1	0.5	0.3	1.8	0.2	112,374
Kipkelion East	5.4	0.2	56.0	34.8	0.4	0.4	2.5	0.2	15,338
Kipkelion West	0.7	0.2	41.0	55.0	0.5	0.3	2.2	0.1	13,474
Ainamoi	24.9	0.5	41.2	31.6	0.4	0.2	0.9	0.3	23,828
Bureti	6.8	0.4	68.6	20.9	0.5	0.4	2.1	0.3	23,043
Belgut	13.5	0.6	52.8	30.5	0.5	0.3	1.8	0.1	21,885
Sigowet/Soin	4.7	0.3	41.2	51.2	0.5	0.2	1.8	0.1	14,806
Bomet County	3.8	0.3	63.6	27.4	0.7	0.9	3.0	0.3	98,022
Sotik	4.4	0.4	60.5	30.6	0.6	0.4	2.9	0.3	21,807
Chepalungu	0.9	0.2	67.4	26.1	0.7	0.7	3.5	0.4	19,133
Bomet East	2.6	0.3	69.4	22.4	0.6	1.6	2.7	0.4	15,693
Bomet Central	5.9	0.4	71.1	17.4	0.8	0.3	3.9	0.1	17,140
Konoin	5.2	0.3	53.3	36.7	0.6	1.5	2.1	0.2	24,249
Kakamega County	5.5	0.5	28.2	63.9	0.8	0.4	0.7	0.1	228,905
Lugari	2.9	0.8	39.9	54.3	0.7	0.6	0.7	0.1	22,331
Likuyani	6.2	0.7	50.4	40.2	0.5	0.4	1.5	0.2	16,819
Malava	2.0	0.5	25.8	69.8	0.7	0.3	0.7	0.1	28,043
Lurambi	21.6	0.6	32.7	43.2	0.4	0.3	0.8	0.3	25,444
Navakholo	1.7	0.3	19.1	77.1	1.0	0.2	0.5	0.0	17,696
Mumias West	12.8	0.6	20.8	64.4	0.6	0.2	0.4	0.2	17,209
Mumias East	1.7	0.5	21.8	73.8	1.0	0.7	0.6	0.0	13,865
Matungu	1.2	0.3	21.5	75.4	0.8	0.4	0.3	0.1	20,053
Butere	2.9	0.4	20.5	74.2	0.8	0.3	0.8	0.1	19,365
Khwisero	1.7	0.3	21.6	74.1	0.9	0.4	1.0	0.0	13,476
Shinyalu	4.3	0.4	31.6	61.4	0.8	0.6	0.7	0.1	21,274
Ikolomani	2.9	0.4	28.7	65.6	1.3	0.2	0.8	0.0	13,330
Vihiga County	6.9	0.4	28.4	62.2	0.8	0.5	0.6	0.1	71,763
Vihiga	8.6	0.3	31.1	58.1	0.8	0.3	0.6	0.1	11,899
Sabatia	9.7	0.5	37.2	51.0	0.8	0.2	0.4	0.1	15,919
Hamisi	6.7	0.5	32.6	58.1	0.7	0.7	0.6	0.2	18,702
Luanda	6.2	0.5	19.0	72.4	0.9	0.3	0.8	0.1	13,708
Emuhaya	2.6	0.3	17.5	76.8	1.0	0.9	0.8	0.0	11,535
Bungoma County	4.4	0.5	26.7	66.6	0.6	0.6	0.5	0.1	180,444
Mt Elgon	1.6	0.1	18.1	77.4	0.5	1.9	0.3	0.1	22,350
Sirisia	1.7	0.3	26.0	70.7	0.4	0.6	0.3	0.1	13,800
Kabuchai	1.8	0.5	27.0	69.3	0.8	0.2	0.3	0.1	18,969
Bumula	0.7	0.4	16.6	80.8	0.7	0.5	0.2	0.0	23,542
Kanduyi	11.9	0.8	28.3	56.9	0.7	0.7	0.5	0.2	32,521
Webuye East	5.7	0.7	32.6	59.9	0.5	0.1	0.5	0.1	13,141
Webuye West	7.2	0.4	27.4	63.4	0.5	0.2	0.5	0.2	16,933
Kimilili	5.0	0.5	27.7	65.3	0.8	0.2	0.3	0.2	16,701
Tongaren	1.4	0.6	38.2	57.7	0.6	0.2	1.1	0.1	22,487
Busia County	5.5	0.3	21.4	71.4	0.5	0.4	0.4	0.2	91,813

Teso North	8.1	0.2	23.5	66.9	0.4	0.1	0.4	0.3	15,666
Teso South	6.2	0.2	18.8	73.2	0.4	0.5	0.3	0.4	16,101
Nambale	3.1	0.4	24.6	70.2	0.4	0.6	0.5	0.1	12,012
Matayos	11.4	0.4	28.7	58.2	0.4	0.1	0.4	0.4	14,853
Butula	1.9	0.5	17.8	78.0	0.6	0.8	0.4	0.1	13,820
Funyula	2.4	0.2	18.2	77.6	0.7	0.1	0.7	0.0	10,621
Budalangi	4.0	0.3	16.6	78.1	0.3	0.2	0.3	0.2	8,740

Annex table 28: Lighting fuel in male headed households by county and constituency

County/Constituency	Electricity	Pressure lamp	Lantern	Tin lamp	Gas lamp	Fuel wood	Solar	Other	Households
Kenya	24.6	0.6	30.4	36.8	0.9	4.2	1.7	0.7	5,762,320
Rural	5.6	0.5	35.3	47.5	1.1	6.8	2.4	0.7	3,413,616
Urban	52.4	0.9	23.3	21.2	0.6	0.4	0.7	0.7	2,348,704
Nairobi County	71.3	1.1	13.2	13.3	0.1	0.1	0.1	0.8	739,199
Westlands	72.5	0.7	12.2	13.6	0.1	0.1	0.1	0.8	43,574
Dagoreti North	65.4	0.8	13.9	19.1	0.2	0.1	0.1	0.4	43,240
Dagoreti South	79.7	0.7	10.5	8.1	0.1	0.1	0.1	0.7	42,170
Langata	67.6	0.8	14.0	16.3	0.1	0.1	0.2	0.9	39,741
Kibra	58.3	0.9	12.4	27.8	0.1	0.1	0.0	0.3	49,942
Roysambu	80.5	1.0	11.7	5.8	0.1	0.1	0.1	0.6	42,234
Kasarani	68.5	1.5	20.0	8.2	0.2	0.0	0.5	1.1	37,967
Ruaraka	66.0	1.5	13.8	17.7	0.1	0.0	0.1	0.8	48,375
Embakasi South	57.6	1.1	18.8	21.3	0.1	0.1	0.0	0.9	61,440
Embakasi North	81.2	1.5	9.2	7.2	0.2	0.0	0.1	0.7	45,086
Embakasi Central	83.8	1.2	9.4	4.6	0.1	0.1	0.2	0.7	44,069
Embakasi East	65.5	1.3	19.5	12.0	0.2	0.1	0.2	1.1	37,845
Embakasi West	87.6	0.7	7.6	3.1	0.1	0.0	0.1	0.9	32,893
Makadara	67.2	1.2	16.0	14.3	0.1	0.0	0.1	1.1	43,355
Kamukunji	70.1	1.1	15.6	11.5	0.2	0.1	0.1	1.4	42,495
Starehe	77.2	0.9	10.1	10.9	0.2	0.1	0.1	0.6	36,497
Mathare	74.6	1.2	7.8	15.7	0.0	0.0	0.0	0.6	48,276
Nyandarua County	11.0	0.7	55.7	25.0	0.6	0.2	6.5	0.3	92,263
Kinangop	11.0	0.8	60.5	21.6	0.7	0.1	5.2	0.2	30,065
Kipipiri	4.9	0.6	64.0	23.6	0.6	0.2	6.0	0.2	13,901
Ol Kalou	14.0	0.6	52.3	25.7	0.7	0.2	6.2	0.3	17,659
Ol Jorok	14.4	0.7	52.2	25.3	0.5	0.3	6.2	0.3	15,711
Ndaragwa	9.5	0.5	46.0	32.0	0.6	0.5	10.4	0.4	14,927
Nyeri County	26.5	0.8	34.9	31.6	0.5	0.5	4.8	0.3	128,319
Tetu	20.1	1.3	40.0	33.6	0.7	0.5	3.7	0.2	13,547
Kieni	15.0	0.8	40.1	31.8	0.6	1.2	10.2	0.4	34,360
Mathira	27.6	1.0	37.5	29.8	0.6	0.3	3.1	0.2	27,615
Othaya	25.5	0.9	35.8	34.1	0.5	0.2	2.7	0.1	14,834
Mukurwe-Ini	13.9	0.3	35.0	45.9	0.5	0.3	3.9	0.1	14,255
Nyeri Town	54.1	0.7	21.1	21.8	0.2	0.1	1.4	0.6	23,708
Kirinyaga County	15.8	0.7	34.4	44.0	0.7	0.3	3.9	0.2	106,905
Mwea	14.1	0.6	31.5	48.6	0.6	0.4	3.9	0.3	39,514

Gichugu	14.1	0.5	33.0	47.3	0.7	0.2	4.0	0.1	25,509
Ndia	14.3	0.5	41.2	38.0	0.7	0.2	4.8	0.3	19,339
Kirinyaga Central	22.1	1.0	35.5	37.4	0.7	0.1	2.9	0.2	22,543
Muranga County	14.6	0.6	40.2	41.2	0.6	0.2	2.5	0.2	158,183
Kangema	12.6	0.4	49.5	32.7	0.6	0.3	3.9	0.2	13,208
Mathioya	14.8	0.4	31.4	50.4	0.7	0.4	1.9	0.1	14,503
Kiharu	19.4	0.5	38.4	37.7	0.5	0.3	2.9	0.3	31,300
Kigumo	8.2	0.5	46.6	41.3	0.4	0.2	2.7	0.2	20,999
Maragwa	12.6	0.4	31.7	52.1	0.4	0.3	2.1	0.3	24,940
Kandara	12.1	1.0	39.1	44.9	0.6	0.1	2.1	0.1	25,664
Gatanga	18.9	0.6	46.2	30.8	0.7	0.2	2.3	0.3	27,569
Kiambu County	55.7	0.7	25.2	16.8	0.3	0.1	0.8	0.4	327,558
Gatundu South	20.4	0.7	43.2	33.1	0.5	0.1	2.0	0.1	19,229
Gatundu North	17.0	0.4	44.0	34.8	0.6	0.4	2.8	0.1	16,215
Juja	48.2	0.8	31.6	16.9	0.2	0.3	1.2	0.8	27,344
Thika Town	53.8	1.1	27.1	16.3	0.2	0.1	0.6	0.8	37,185
Ruiru	75.4	0.9	14.4	8.6	0.1	0.1	0.2	0.5	47,939
Githunguri	42.8	0.7	32.8	22.2	0.4	0.1	0.7	0.3	27,089
Kiambu	67.8	0.7	15.7	14.7	0.4	0.1	0.3	0.3	22,644
Kiambaa	70.9	0.6	13.9	13.8	0.2	0.1	0.3	0.3	30,984
Kabete	75.3	0.6	14.2	8.8	0.3	0.1	0.2	0.5	29,836
Kikuyu	67.2	0.5	20.6	10.3	0.3	0.2	0.5	0.3	25,511
Limuru	51.4	0.5	28.7	17.6	0.3	0.1	0.8	0.5	22,778
Lari	29.1	0.5	41.6	26.0	0.3	0.1	1.9	0.4	20,804
Mombasa County	58.3	1.0	16.2	23.3	0.2	0.2	0.2	0.7	206,719
Changamwe	64.2	0.8	18.0	16.2	0.2	0.1	0.1	0.5	32,464
Jomvu	41.1	1.0	23.9	32.1	0.2	0.2	0.2	1.2	26,909
Kisauni	54.8	1.1	16.0	26.8	0.2	0.1	0.2	0.6	40,298
Nyali	59.4	1.3	15.4	22.8	0.2	0.1	0.1	0.7	42,885
Likoni	53.3	1.3	16.1	28.2	0.2	0.4	0.1	0.5	39,708
Mvita	80.8	0.5	6.9	10.4	0.1	0.3	0.1	0.8	24,455
Kwale County	11.6	0.6	13.7	71.2	0.4	1.2	0.9	0.3	80,118
Msabweni	27.5	0.9	19.1	50.1	0.3	1.0	0.5	0.7	23,816
Lunga Lunga	3.3	0.5	9.1	84.1	0.3	1.8	0.8	0.1	17,328
Matuga	8.6	0.6	14.8	72.9	0.4	0.7	1.7	0.3	19,145
Kinango	2.8	0.4	10.2	83.7	0.3	1.6	0.7	0.1	19,829
Kilifi County	17.5	0.8	17.8	60.7	0.4	1.8	0.6	0.4	128,348
Kilifi North	19.8	0.8	22.0	55.6	0.4	0.3	0.7	0.4	24,373
Kilifi South	24.7	0.7	16.0	56.9	0.4	0.1	0.5	0.6	24,035
Kaloleni	15.1	0.6	14.7	67.8	0.4	0.4	0.8	0.2	15,784
Rabai	10.4	0.5	11.1	76.4	0.4	0.2	0.9	0.2	10,848
Ganze	2.4	0.4	10.8	78.4	0.6	6.7	0.5	0.3	11,193
Malindi	29.3	1.5	22.9	44.1	0.5	0.6	0.5	0.6	23,768
Magarini	5.5	0.4	18.7	67.7	0.4	6.4	0.7	0.2	18,347
Tana River County	2.5	0.2	19.9	66.0	1.1	6.4	1.0	2.8	31,379
Garsen	2.3	0.2	16.4	73.3	0.3	4.4	1.1	1.9	12,805
Galole	3.3	0.3	15.9	71.8	0.5	5.6	1.8	0.9	7,579
Bura	2.1	0.1	26.7	53.7	2.4	9.4	0.4	5.2	10,995

Lamu County	17.0	0.6	31.7	39.9	0.8	2.6	5.5	1.9	15,813
Lamu East	7.3	0.4	69.5	13.5	0.5	1.9	6.6	0.2	2,582
Lamu West	18.9	0.6	24.3	45.1	0.9	2.7	5.3	2.2	13,231
Taita-Taveta County	15.9	0.5	44.0	35.2	0.3	0.7	2.4	0.9	46,628
Taveta	13.8	0.6	32.7	49.4	0.3	0.6	2.2	0.5	11,740
Wundanyi	19.6	0.5	44.9	30.3	0.4	0.8	2.1	1.3	9,305
Mwatate	9.2	0.2	45.5	41.2	0.4	0.5	2.6	0.3	11,527
Voi	20.7	0.6	51.6	21.7	0.3	0.9	2.6	1.4	14,056
Marsabit County	8.2	0.1	23.0	11.8	2.9	47.4	1.3	5.4	33,330
Moyale	14.5	0.1	38.4	18.1	5.1	22.8	0.7	0.3	10,325
North Horr	0.1	0.0	7.1	4.1	1.7	71.7	1.3	14.0	10,553
Saku	21.2	0.4	39.1	25.3	3.9	7.8	1.3	1.0	5,750
Laisamis	0.1	0.0	10.4	2.7	0.4	81.0	2.1	3.2	6,702
Isiolo County	20.1	0.5	30.1	18.8	2.2	23.1	1.4	3.7	19,020
Isiolo North	29.0	0.5	24.6	22.0	2.4	18.0	1.3	2.2	13,062
Isiolo South	0.8	0.6	42.2	11.8	1.7	34.4	1.5	7.0	5,958
Meru County	13.4	0.7	28.5	48.3	0.8	1.7	6.2	0.4	221,998
Igembe South	11.6	0.7	25.7	53.3	1.3	2.4	4.1	0.8	22,483
Igembe Central	4.6	0.6	25.8	62.2	1.0	1.9	3.3	0.7	28,816
Igembe North	5.5	0.8	21.8	63.2	1.0	5.3	2.1	0.3	21,681
Tigania West	4.2	0.5	16.2	69.8	0.7	1.1	7.1	0.3	18,221
Tigania East	4.0	0.4	17.6	70.7	0.8	2.2	4.1	0.4	21,181
North Imenti	38.5	0.7	29.3	24.6	0.8	0.3	5.5	0.3	28,252
Buuri	14.3	0.9	44.5	27.3	0.9	1.2	10.5	0.4	26,604
Central Imenti	14.6	0.5	36.1	37.0	0.6	0.7	10.3	0.2	21,125
South Imenti	15.6	0.9	32.5	41.4	0.6	0.7	7.9	0.4	33,635
Tharaka Nithi County	8.0	0.4	32.7	47.8	0.6	2.6	7.1	0.8	59,079
Maara	9.3	0.5	43.8	38.3	0.6	0.8	6.4	0.3	19,764
Chuka/Igambangombe	10.9	0.4	37.6	41.8	0.7	2.0	6.0	0.6	21,832
Tharaka	3.0	0.4	14.1	65.9	0.6	5.5	9.3	1.4	17,483
Embu County	14.4	0.8	36.1	43.1	0.6	0.8	3.8	0.5	86,215
Manyatta	28.4	0.8	29.8	37.0	0.6	0.5	2.5	0.4	28,078
Runyenjes	10.9	1.0	39.9	43.1	0.6	0.5	3.7	0.1	25,528
Mbeere South	4.2	0.4	41.5	46.2	0.6	0.9	5.5	0.6	19,686
Mbeere North	6.5	1.0	33.7	51.3	0.7	1.5	3.8	1.4	12,923
Kitui County	5.6	0.6	52.9	31.6	0.6	4.9	3.1	0.7	110,589
Mwingi North	1.9	0.7	58.5	20.8	0.8	13.2	2.6	1.5	13,719
Mwingi West	9.7	0.6	57.2	25.4	0.5	0.9	5.0	0.7	13,605
Mwingi Central	5.4	0.5	53.7	28.5	0.7	6.9	2.9	1.3	13,008
Kitui West	6.0	0.5	55.7	31.8	0.7	0.3	4.9	0.1	11,462
Kitui Rural	1.6	0.8	48.4	42.6	0.8	2.6	2.8	0.5	11,693
Kitui Central	16.9	0.6	49.7	28.4	0.5	0.9	2.9	0.2	16,430
Kitui East	1.6	0.6	50.3	34.6	0.6	9.1	2.4	0.8	13,499
Kitui South	0.5	0.5	50.5	40.5	0.6	5.1	1.8	0.5	17,173
Machakos County	19.2	0.7	52.2	23.9	0.5	0.2	2.6	0.5	165,090
Masinga	4.8	0.2	56.2	34.4	0.4	0.5	3.2	0.4	15,335
Yatta	10.5	0.4	59.1	26.2	0.5	0.2	2.7	0.4	19,015
Kangundo	9.6	0.5	62.7	22.2	0.9	0.2	3.6	0.2	13,473

Matungulu	10.7	0.9	58.1	25.3	0.8	0.3	3.4	0.6	18,319
Kathiani	5.8	0.9	65.2	24.1	0.5	0.3	2.9	0.3	13,362
Mavoko	45.7	1.1	31.4	19.4	0.3	0.1	1.0	1.0	35,172
Machakos Town	25.6	0.9	53.5	16.6	0.4	0.1	2.4	0.5	30,452
Mwala	5.7	0.6	56.1	32.4	0.8	0.2	4.0	0.3	19,962
Makueni County	6.2	0.5	62.2	25.7	0.4	0.6	4.0	0.4	108,060
Mbooni	2.5	0.6	61.6	29.6	0.3	0.4	4.8	0.2	21,097
Kilome	6.6	0.5	66.2	21.6	0.6	0.6	3.4	0.5	11,342
Kaiti	3.1	0.5	67.9	22.2	0.4	0.6	5.2	0.1	13,556
Makueni	6.0	0.4	68.9	18.9	0.5	0.6	4.3	0.4	23,388
Kibwezi West	11.2	0.4	56.2	27.9	0.5	0.7	2.7	0.4	22,272
Kibwezi East	6.8	0.3	54.3	33.3	0.4	0.6	3.7	0.6	16,405
Garissa County	13.4	0.3	19.5	31.1	14.2	14.5	0.4	6.5	53,423
Garissa Township	51.0	0.5	17.3	14.4	13.3	2.7	0.2	0.5	13,752
Balambala	0.1	0.1	17.6	37.6	9.7	20.6	0.2	14.1	8,823
Lagdera	0.0	0.1	32.0	20.1	13.5	25.1	0.3	8.8	10,087
Dadaab	1.0	0.7	4.9	19.8	32.8	31.7	0.3	8.8	7,424
Fafi	0.3	0.2	23.9	46.7	8.0	9.3	0.3	11.2	4,326
Ijara	0.6	0.3	20.8	64.5	8.4	2.9	1.3	1.1	9,011
Wajir County	2.9	0.1	30.4	17.0	10.8	30.9	0.2	7.8	62,285
Wajir North	0.0	0.1	23.4	19.6	9.6	45.3	0.2	1.8	11,685
Wajir East	13.8	0.2	42.3	14.5	10.9	14.2	0.1	4.0	11,499
Tarraj	0.1	0.1	28.5	5.5	6.9	55.8	0.2	3.0	8,793
Wajir West	0.7	0.0	39.9	25.5	4.9	23.9	0.1	5.0	9,887
Eldas	0.1	0.0	20.6	29.6	17.1	27.3	0.2	5.1	7,625
Wajir South	1.2	0.1	25.8	10.8	15.2	23.1	0.2	23.7	12,796
Mandera County	2.1	0.2	32.9	12.7	10.6	38.3	0.2	3.1	97,817
Mandera West	0.1	0.1	51.4	6.3	4.0	37.5	0.2	0.3	14,614
Banissa	0.1	0.3	23.7	12.8	4.7	57.3	0.2	0.9	15,916
Mandera North	0.3	0.2	21.5	15.9	16.7	42.0	0.3	3.2	16,318
Mandera South	0.8	0.1	37.2	11.3	5.8	43.3	0.2	1.3	23,630
Mandera East	13.7	0.5	38.6	20.5	17.2	5.8	0.4	3.3	12,070
Lafey	0.7	0.1	25.5	11.5	18.6	32.9	0.2	10.6	15,269
Siaya County	5.1	0.5	22.5	70.0	0.4	0.2	1.0	0.2	106,856
Ugenya	4.0	0.3	16.8	77.2	0.5	0.2	0.9	0.1	12,407
Ugunja	5.6	0.5	19.7	72.4	0.5	0.1	1.0	0.1	11,367
Alego Usonga	6.4	0.5	20.0	71.3	0.4	0.3	0.9	0.1	23,580
Gem	5.1	0.5	19.9	72.7	0.5	0.2	0.9	0.1	20,258
Bondo	5.6	0.6	29.1	62.6	0.4	0.2	1.2	0.4	22,004
Rarieda	3.1	0.5	26.3	67.8	0.4	0.3	1.3	0.2	17,240
Kisumu County	20.8	0.6	24.1	52.6	0.4	0.2	1.1	0.2	141,137
Kisumu East	21.3	0.7	27.6	48.9	0.4	0.2	0.6	0.3	26,645
Kisumu West	13.5	0.6	26.5	57.7	0.4	0.2	1.1	0.2	17,981
Kisumu Central	55.5	0.5	19.1	24.1	0.1	0.1	0.1	0.3	31,231
Seme	3.3	0.3	18.6	75.8	0.3	0.2	1.2	0.0	11,755
Nyando	6.0	0.6	23.9	67.1	0.5	0.2	1.6	0.1	16,676
Muhoroni	9.1	0.7	23.6	64.3	0.3	0.3	1.3	0.3	22,188
Nyakach	3.6	0.6	31.0	60.8	0.7	0.3	2.9	0.1	14,661

Homa Bay County	4.0	0.6	22.9	70.2	0.5	0.4	1.2	0.1	114,397
Kasipul	8.2	0.5	29.2	59.7	0.5	0.3	1.4	0.2	13,329
Kabondo Kasipul	3.3	0.6	21.4	72.2	0.8	0.1	1.5	0.0	11,786
Karachuonyo	1.4	0.6	26.1	69.0	0.7	0.2	1.8	0.1	18,869
Rangwe	2.6	0.5	17.9	77.3	0.6	0.3	0.8	0.1	10,899
Homa Bay Town	13.4	0.9	24.5	59.6	0.4	0.3	0.7	0.2	12,661
Ndhiwa	1.3	0.5	14.7	81.7	0.5	0.5	0.7	0.1	19,706
Suba North	2.9	0.4	29.0	65.0	0.2	0.9	1.5	0.2	14,463
Suba South	1.5	0.5	21.7	74.0	0.5	0.3	1.2	0.2	12,684
Migori County	6.1	0.6	27.4	63.4	0.6	0.6	1.0	0.2	102,882
Rongo	9.3	1.0	25.2	62.2	1.0	0.2	1.0	0.1	11,204
Awendo	12.8	0.5	19.6	65.2	0.4	0.1	1.0	0.2	13,563
Suna East	9.6	0.6	25.9	61.7	0.7	0.5	1.0	0.2	11,774
Suna West	6.2	0.8	29.1	61.9	0.4	0.3	1.1	0.2	11,093
Uriri	2.1	0.5	18.5	76.6	0.9	0.2	1.1	0.1	12,534
Nyatike	0.9	0.5	31.4	64.5	0.4	0.6	1.4	0.3	15,417
Kuria West	6.9	0.8	34.3	55.8	0.5	1.0	0.5	0.3	18,711
Kuria East	0.3	0.5	33.2	62.1	0.8	2.1	1.0	0.1	8,586
Kisii County	9.1	0.4	32.9	55.6	0.6	0.3	1.1	0.1	155,419
Bonchari	9.2	0.3	22.9	65.9	0.6	0.2	0.8	0.1	15,315
South Mugirango	3.5	0.3	28.4	65.8	0.5	0.3	1.0	0.2	21,319
Bomachoge Borabu	5.8	0.5	38.1	53.5	0.9	0.1	1.0	0.1	13,470
Bobasi	4.1	0.4	38.4	55.2	0.6	0.5	0.8	0.0	24,854
Bomachoge Chache	6.5	0.4	36.0	54.6	0.5	0.8	1.2	0.0	12,081
Nyaribari Masaba	5.9	0.4	33.3	58.5	0.5	0.2	1.2	0.0	16,271
Nyaribari Chache	16.6	0.7	37.0	43.9	0.6	0.2	1.0	0.1	18,919
Kitutu Chache North	2.6	0.4	33.8	61.0	0.7	0.3	1.2	0.1	13,427
Kitutu Chache South	24.8	0.3	28.0	44.7	0.5	0.1	1.4	0.3	19,763
Nyamira County	6.4	0.5	41.5	49.6	0.5	0.2	1.2	0.1	85,702
Kitutu Masaba	4.9	0.6	44.1	48.1	0.6	0.2	1.5	0.1	27,112
West Mugirango	8.1	0.5	40.9	48.7	0.5	0.2	0.9	0.1	22,549
North Mugirango	4.5	0.3	39.3	54.0	0.5	0.5	0.9	0.1	17,581
Borabu	8.2	0.5	40.7	48.8	0.4	0.2	1.2	0.1	18,460
Turkana County	2.5	0.1	8.5	9.3	0.5	75.6	0.9	2.6	67,081
Turkana North	0.2	0.1	3.0	4.1	0.4	88.1	0.7	3.5	12,103
Turkana West	2.9	0.2	8.1	9.8	0.5	74.5	1.1	2.9	13,666
Turkana Central	8.9	0.2	16.0	14.1	0.5	54.8	1.5	4.0	12,369
Loima	0.0	0.1	2.0	1.9	0.6	93.1	0.3	2.1	9,246
Turkana South	1.4	0.1	10.5	12.9	0.6	72.6	0.9	1.1	11,480
Turkana East	0.1	0.2	10.2	12.0	0.6	75.0	0.8	1.1	8,217
West Pokot County	3.1	0.1	24.7	25.6	0.5	45.1	0.6	0.4	51,791
Kapenguria	8.3	0.2	30.0	30.8	0.4	29.3	0.6	0.3	17,559
Sigor	0.3	0.0	14.2	19.2	0.5	65.1	0.4	0.2	10,370
Kacheliba	0.0	0.1	7.2	11.4	0.5	79.5	0.5	0.9	9,442
Pokot South	0.8	0.1	37.1	33.1	0.6	27.3	0.6	0.4	14,420
Samburu County	7.8	0.3	11.9	17.9	1.0	58.6	1.7	0.8	23,787
Samburu West	19.0	0.2	15.9	31.5	1.1	30.3	1.5	0.6	8,837
Samburu North	0.5	0.1	7.0	9.5	1.2	80.0	1.1	0.7	8,848

Samburu East	2.2	0.6	13.4	10.5	0.5	68.5	2.7	1.5	6,102
Trans-Nzoia County	9.2	0.6	38.8	49.0	0.6	0.6	0.9	0.3	117,604
Kwanza	9.0	0.6	35.1	53.0	0.6	0.5	0.6	0.5	22,672
Endebess	1.9	0.2	24.3	71.3	0.4	1.5	0.4	0.1	13,017
Saboti	13.9	0.6	35.2	48.6	0.6	0.4	0.4	0.3	28,605
Kiminini	12.8	0.9	42.5	41.2	0.7	0.4	1.3	0.2	26,895
Cherangany	4.3	0.4	49.2	43.0	0.7	0.6	1.4	0.3	26,415
Baringo County	9.7	0.4	40.6	20.8	0.7	25.5	1.8	0.5	69,621
Tiaty	0.3	0.1	5.9	3.2	0.7	88.6	0.5	0.7	12,501
Baringo North	6.6	0.2	43.1	23.3	0.9	23.2	2.2	0.5	12,125
Baringo Central	23.9	0.5	43.5	19.6	0.6	9.9	1.6	0.3	10,369
Baringo South	5.4	0.6	44.0	30.2	0.8	16.3	2.0	0.6	10,976
Mogotio	4.4	0.3	55.1	26.6	0.7	9.9	2.6	0.3	7,914
Eldama Ravine	15.7	0.7	54.8	24.1	0.5	1.8	2.0	0.4	15,736
Uasin-Gishu County	27.9	0.6	44.2	24.9	0.4	0.3	1.2	0.5	141,378
Soy	10.1	0.5	53.9	32.8	0.6	0.2	1.7	0.3	21,928
Turbo	38.3	0.7	34.0	25.6	0.3	0.3	0.5	0.3	35,548
Moiben	29.6	0.6	48.2	18.3	0.4	0.5	1.6	0.7	24,201
Ainabkoi	27.5	0.6	48.8	20.4	0.4	0.5	1.5	0.3	15,607
Kapseret	32.4	0.5	41.3	23.2	0.3	0.2	1.2	0.9	25,440
Kesses	21.1	0.8	46.9	29.0	0.4	0.3	1.3	0.3	18,654
Elgeyo Marakwet County	6.8	0.3	47.8	28.1	0.5	14.6	1.6	0.3	52,320
Marakwet East	0.2	0.2	31.6	25.0	0.9	40.3	1.3	0.5	11,697
Marakwet West	4.4	0.3	48.8	37.7	0.5	6.6	1.5	0.2	14,655
Keiyo North	13.6	0.2	51.5	24.1	0.2	8.4	1.7	0.3	10,644
Keiyo South	9.5	0.4	56.5	24.2	0.5	6.9	1.7	0.3	15,324
Nandi County	6.2	0.3	42.2	49.0	0.5	0.2	1.4	0.2	108,390
Tinderet	2.4	0.2	31.4	63.7	0.3	0.3	1.6	0.1	14,586
Aldai	3.0	0.3	36.9	57.8	0.6	0.1	1.2	0.2	20,571
Nandi Hills	7.1	0.3	32.8	57.8	0.6	0.1	1.1	0.1	18,334
Chesumei	10.7	0.3	49.5	37.0	0.5	0.1	1.4	0.4	18,003
Emgwen	10.5	0.5	42.5	44.0	0.5	0.4	1.4	0.2	18,962
Mosop	2.7	0.3	58.8	35.4	0.7	0.2	1.8	0.1	17,934
Laikipia County	19.3	0.6	35.5	32.4	0.8	4.5	6.4	0.5	62,287
Laikipia West	18.2	0.4	38.1	33.4	0.8	2.2	6.5	0.3	30,852
Laikipia East	28.4	1.0	35.8	25.8	0.5	0.5	7.5	0.5	20,397
Laikipia North	5.5	0.3	27.4	42.1	1.1	18.5	4.0	1.0	11,038
Nakuru County	35.1	0.6	35.4	24.7	0.5	0.8	2.4	0.5	275,541
Molo	19.8	0.5	44.8	30.5	0.6	0.9	2.4	0.5	20,787
Njoro	13.8	0.6	49.5	30.9	0.7	0.9	3.2	0.3	27,929
Naivasha	41.8	0.5	32.8	20.7	0.3	0.7	2.4	0.8	45,578
Gilgil	27.4	0.7	37.5	28.0	0.5	0.5	4.7	0.8	23,830
Kuresoi South	3.3	0.3	51.5	37.1	0.6	3.9	3.0	0.3	15,965
Kuresoi North	2.9	0.4	43.4	49.9	0.3	1.1	1.8	0.3	17,798
Subukia	12.7	0.4	46.4	32.5	0.6	0.3	6.5	0.4	13,729
Rongai	26.4	0.4	43.0	25.6	0.8	1.3	2.1	0.3	20,986
Bahati	42.0	1.3	35.4	17.4	1.0	0.2	2.4	0.4	23,855
Nakuru Town West	62.1	0.5	20.2	16.0	0.1	0.2	0.3	0.5	34,488

Nakuru Town East	76.4	0.5	12.7	9.0	0.1	0.1	0.5	0.7	30,596
Narok County	6.7	0.5	30.5	52.1	0.5	7.0	1.5	1.2	107,586
Kilgoris	4.4	0.4	18.0	73.4	0.5	1.0	1.2	1.0	21,420
Emurua Dikirr	0.2	0.5	34.6	61.9	0.3	0.9	1.4	0.1	11,447
Narok North	17.0	0.6	32.5	39.7	0.4	8.1	0.9	0.8	26,091
Narok East	5.2	0.7	21.8	60.9	1.0	7.3	1.0	2.1	11,150
Narok South	0.9	0.5	39.9	41.2	0.7	14.2	1.8	0.9	21,687
Narok West	6.3	0.5	34.0	45.5	0.3	7.8	2.9	2.7	15,791
Kajiado County	43.8	0.9	19.3	31.6	0.4	1.8	1.1	1.0	116,882
Kajiado North	70.5	0.9	15.3	11.9	0.4	0.1	0.3	0.6	43,060
Kajiado Central	27.4	0.5	17.5	50.3	0.3	2.2	0.7	1.1	12,749
Kajiado East	44.1	0.7	23.7	27.8	0.3	0.7	1.5	1.2	26,610
Kajiado West	26.5	0.5	17.4	46.4	0.8	5.3	1.9	1.3	15,913
Kajiado South	7.3	1.5	25.1	57.6	0.5	4.3	2.3	1.4	18,550
Kericho County	10.9	0.4	51.5	34.3	0.5	0.3	1.9	0.2	112,374
Kipkelion East	5.9	0.2	55.9	34.3	0.4	0.4	2.6	0.3	15,338
Kipkelion West	0.7	0.2	42.0	53.8	0.5	0.3	2.3	0.2	13,474
Ainamoi	25.1	0.5	41.4	31.1	0.4	0.2	1.0	0.3	23,828
Bureti	6.6	0.4	69.1	20.3	0.5	0.4	2.3	0.3	23,043
Belgut	14.0	0.7	52.5	30.0	0.5	0.3	1.9	0.1	21,885
Sigowet/Soin	4.7	0.3	42.7	49.7	0.4	0.2	2.0	0.1	14,806
Bomet County	4.0	0.3	63.5	27.1	0.7	0.8	3.3	0.3	98,022
Sotik	4.7	0.4	61.1	29.3	0.6	0.4	3.2	0.3	21,807
Chepalungu	1.1	0.2	67.5	25.5	0.7	0.6	4.0	0.4	19,133
Bomet East	2.5	0.3	70.0	21.6	0.6	1.5	3.0	0.5	15,693
Bomet Central	5.7	0.4	71.8	16.6	0.8	0.3	4.3	0.1	17,140
Konoin	5.5	0.4	52.6	37.1	0.6	1.4	2.2	0.2	24,249
Kakamega County	5.9	0.5	28.2	63.4	0.8	0.4	0.8	0.2	228,905
Lugari	3.0	0.8	39.2	54.9	0.6	0.6	0.7	0.2	22,331
Likuyani	6.5	0.6	50.0	40.0	0.6	0.5	1.6	0.3	16,819
Malava	2.1	0.5	25.3	70.2	0.8	0.4	0.7	0.1	28,043
Lurambi	21.5	0.7	32.6	43.2	0.4	0.3	0.9	0.4	25,444
Navakholo	1.8	0.3	19.3	76.9	1.1	0.2	0.5	0.1	17,696
Mumias West	14.6	0.6	20.7	62.8	0.5	0.1	0.4	0.2	17,209
Mumias East	1.7	0.5	21.8	73.7	1.0	0.7	0.6	0.0	13,865
Matungu	1.3	0.3	21.5	75.2	0.8	0.4	0.4	0.1	20,053
Butere	2.9	0.5	21.1	73.4	0.7	0.3	0.9	0.1	19,365
Khwisero	2.1	0.3	22.2	72.8	0.9	0.4	1.2	0.1	13,476
Shinyalu	4.7	0.5	31.6	61.0	0.7	0.6	0.8	0.2	21,274
Ikolomani	3.3	0.4	28.9	65.0	1.3	0.2	0.9	0.1	13,330
Vihiga County	7.7	0.5	28.7	60.9	0.9	0.5	0.7	0.1	71,763
Vihiga	9.9	0.4	31.3	56.5	0.9	0.3	0.6	0.1	11,899
Sabatia	10.9	0.6	37.4	49.6	0.7	0.2	0.5	0.1	15,919
Hamisi	7.2	0.5	32.5	57.4	0.8	0.7	0.6	0.2	18,702
Luanda	6.9	0.5	19.6	70.8	0.9	0.3	0.8	0.1	13,708
Emuhaya	3.0	0.4	18.6	75.1	1.0	0.9	1.0	0.1	11,535
Bungoma County	4.6	0.5	26.9	66.2	0.6	0.5	0.5	0.2	180,444
Mt Elgon	1.7	0.1	18.1	77.3	0.5	1.9	0.3	0.1	22,350

Sirisia	1.7	0.3	26.6	70.1	0.4	0.6	0.3	0.1	13,800
Kabuchai	1.7	0.5	27.3	69.0	0.8	0.2	0.3	0.1	18,969
Bumula	0.7	0.4	17.1	80.4	0.7	0.4	0.2	0.0	23,542
Kanduyi	12.1	0.8	28.2	56.9	0.7	0.7	0.4	0.2	32,521
Webuye East	6.0	0.7	33.0	59.0	0.5	0.1	0.5	0.1	13,141
Webuye West	7.3	0.4	27.7	63.1	0.5	0.2	0.6	0.2	16,933
Kimilili	5.1	0.5	27.9	65.0	0.7	0.1	0.3	0.2	16,701
Tongaren	1.5	0.6	39.0	56.7	0.6	0.2	1.2	0.1	22,487
Busia County	6.1	0.3	21.8	70.2	0.5	0.4	0.4	0.3	91,813
Teso North	8.2	0.2	22.9	67.5	0.5	0.1	0.4	0.3	15,666
Teso South	6.6	0.2	18.7	73.0	0.4	0.4	0.3	0.4	16,101
Nambale	3.2	0.4	24.8	69.9	0.4	0.7	0.5	0.1	12,012
Matayos	12.8	0.4	29.1	56.4	0.4	0.1	0.4	0.4	14,853
Butula	2.1	0.4	18.5	76.9	0.6	0.9	0.5	0.1	13,820
Funyula	2.8	0.2	19.1	76.3	0.7	0.1	0.7	0.1	10,621
Budalangi	4.7	0.4	17.9	76.0	0.2	0.2	0.4	0.4	8,740

Annex Table 29: Lighting fuel in female headed households by county and constituency

County/Constituency	Electricity	Pressure lamp	Lantern	Tin lamp	Gas lamp	Fuel wood	Solar	Other	Households
Kenya	19.2	0.5	31.0	42.1	0.8	4.5	1.4	0.5	2,731,060
Rural	4.5	0.4	33.7	51.8	0.8	6.5	1.8	0.5	1,826,263
Urban	48.8	0.8	25.4	22.6	0.7	0.6	0.6	0.5	904,797
Nairobi County	75.3	1.0	12.6	10.2	0.1	0.1	0.1	0.6	229,278
Westlands	73.1	0.8	12.4	12.8	0.3	0.1	0.1	0.5	11,994
Dagoreti North	75.2	0.6	12.1	11.5	0.1	0.1	0.0	0.4	13,469
Dagoreti South	78.1	0.7	12.6	8.0	0.1	0.1	0.1	0.4	13,392
Langata	79.7	0.6	9.7	9.4	0.1	0.0	0.1	0.5	12,915
Kibra	65.4	0.8	11.9	21.5	0.1	0.0	0.0	0.2	13,151
Roysambu	81.0	0.9	12.3	5.2	0.2	0.1	0.1	0.3	15,443
Kasarani	68.7	1.3	21.1	7.8	0.2	0.0	0.3	0.7	11,858
Ruaraka	64.2	1.6	14.2	18.9	0.2	0.1	0.1	0.6	11,972
Embakasi South	63.4	1.1	18.1	16.3	0.1	0.1	0.0	0.8	13,263
Embakasi North	79.9	1.5	10.2	7.5	0.1	0.0	0.0	0.6	15,100
Embakasi Central	82.0	1.2	11.0	4.8	0.1	0.1	0.1	0.6	13,693
Embakasi East	68.8	1.3	19.2	9.7	0.2	0.0	0.1	0.8	11,086
Embakasi West	89.2	0.5	6.6	2.8	0.1	0.0	0.1	0.8	12,019
Makadara	74.7	1.1	14.3	9.0	0.1	0.0	0.0	0.7	15,479
Kamukunji	76.4	0.9	13.8	7.7	0.2	0.1	0.0	1.0	16,401

Starehe	83.2	0.7	8.6	7.0	0.1	0.1	0.0	0.3	13,139
Mathare	74.2	1.2	8.5	15.4	0.0	0.0	0.0	0.6	14,904
Nyandarua County	9.7	0.5	55.3	28.2	0.6	0.3	5.1	0.2	48,482
Kinangop	10.4	0.6	59.4	25.2	0.5	0.2	3.7	0.1	14,472
Kipipiri	4.3	0.4	62.2	27.7	0.5	0.2	4.4	0.1	7,903
Ol Kalou	12.6	0.4	52.6	28.2	0.8	0.2	5.1	0.2	9,221
Ol Jorok	12.5	0.8	52.1	28.1	0.7	0.3	5.3	0.2	8,433
Ndaragwa	7.8	0.4	47.9	34.2	0.7	0.5	8.3	0.2	8,453
Nyeri County	25.7	0.8	33.6	35.5	0.5	0.4	3.4	0.2	71,157
Tetu	17.9	1.2	37.5	39.3	0.8	0.4	2.8	0.1	7,881
Kieni	14.6	0.8	40.4	35.0	0.6	0.7	7.7	0.2	16,538
Mathira	27.3	1.0	36.1	32.4	0.4	0.3	2.3	0.1	15,822
Othaya	24.2	0.9	33.0	39.3	0.4	0.2	1.9	0.1	9,073
Mukurwe-Ini	12.3	0.3	33.4	50.3	0.5	0.4	2.8	0.1	9,595
Nyeri Town	55.3	0.5	19.4	23.1	0.3	0.2	1.0	0.3	12,248
Kirinyaga County	17.8	0.7	31.6	46.3	0.6	0.2	2.5	0.2	45,741
Mwea	16.7	0.7	28.9	50.7	0.4	0.4	2.0	0.2	15,584
Gichugu	14.8	0.5	29.2	51.7	0.6	0.2	2.9	0.1	10,361
Ndia	15.0	0.5	38.6	40.6	0.9	0.2	3.9	0.2	9,894
Kirinyaga Central	25.6	1.1	31.2	39.4	0.6	0.1	1.8	0.3	9,902
Muranga County	12.5	0.5	38.4	45.8	0.5	0.2	2.0	0.1	93,993
Kangema	10.4	0.4	47.2	38.5	0.5	0.1	2.7	0.2	8,511
Mathioya	13.0	0.4	29.3	55.3	0.5	0.4	1.2	0.1	9,986
Kiharu	17.1	0.5	39.3	40.0	0.5	0.2	2.4	0.1	19,451
Kigumo	7.0	0.4	41.4	48.6	0.4	0.1	1.9	0.1	11,873
Maragwa	11.7	0.4	30.4	55.0	0.4	0.3	1.7	0.1	14,698
Kandara	10.6	0.9	35.2	51.1	0.4	0.2	1.6	0.1	15,040
Gatanga	14.7	0.6	47.5	34.0	0.7	0.2	2.2	0.1	14,434
Kiambu County	51.1	0.7	27.1	19.7	0.3	0.2	0.6	0.3	128,752
Gatundu South	19.2	0.8	41.1	36.8	0.5	0.1	1.6	0.0	10,389
Gatundu North	16.9	0.4	40.3	39.2	0.5	0.4	2.2	0.1	8,745
Juja	44.8	0.7	33.8	18.6	0.2	0.7	0.8	0.4	9,461
Thika Town	57.8	1.1	25.9	14.0	0.2	0.2	0.5	0.4	14,236
Ruiru	75.3	0.8	14.7	8.5	0.1	0.1	0.2	0.4	15,762
Githunguri	39.9	0.5	32.7	25.9	0.2	0.1	0.5	0.2	11,756

Kiambu	63.2	0.7	17.5	17.7	0.3	0.2	0.1	0.2	8,543
Kiambaa	67.8	0.6	16.1	14.6	0.2	0.1	0.2	0.3	10,559
Kabete	72.7	0.7	15.5	10.1	0.4	0.1	0.2	0.3	10,439
Kikuyu	63.3	0.4	22.5	12.9	0.3	0.2	0.3	0.2	9,948
Limuru	45.3	0.7	33.0	19.9	0.3	0.1	0.5	0.2	9,450
Lari	26.8	0.4	41.3	29.4	0.4	0.1	1.3	0.3	9,464
Mombasa County	61.8	0.9	15.4	21.0	0.2	0.2	0.1	0.4	59,278
Changamwe	65.7	0.8	18.7	14.0	0.2	0.1	0.1	0.3	9,397
Jomvu	41.8	0.8	23.9	32.0	0.2	0.4	0.2	0.7	7,922
Kisauni	59.7	1.0	14.0	24.2	0.3	0.2	0.2	0.4	11,884
Nyali	65.5	1.1	13.7	19.1	0.2	0.1	0.1	0.3	11,685
Likoni	50.8	1.4	17.5	29.5	0.2	0.4	0.0	0.2	9,994
Mvita	87.1	0.3	5.5	6.2	0.2	0.2	0.1	0.3	8,396
Kwale County	8.4	0.5	11.4	77.4	0.3	1.3	0.6	0.1	39,254
Msabweni	27.3	0.7	17.0	53.3	0.3	0.7	0.4	0.3	8,305
Lunga Lunga	2.3	0.4	8.1	86.6	0.2	2.0	0.4	0.0	9,352
Matuga	6.6	0.5	13.4	77.1	0.4	0.7	1.1	0.1	8,600
Kinango	1.9	0.4	9.0	86.2	0.4	1.5	0.6	0.1	12,997
Kilifi County	14.4	0.6	14.4	67.6	0.5	1.8	0.4	0.2	62,381
Kilifi North	16.7	0.8	19.8	61.4	0.4	0.4	0.5	0.2	11,245
Kilifi South	21.8	0.6	11.4	64.8	0.6	0.3	0.3	0.3	11,773
Kaloleni	10.0	0.4	11.9	76.0	0.6	0.5	0.7	0.1	8,671
Rabai	7.7	0.6	10.3	80.3	0.5	0.1	0.4	0.1	5,031
Ganze	1.3	0.2	9.2	82.6	0.5	5.8	0.3	0.1	8,645
Malindi	29.8	1.0	19.2	47.7	0.6	0.9	0.3	0.4	9,414
Magarini	5.0	0.5	17.0	71.0	0.3	5.6	0.6	0.2	7,602
Tana River County	2.1	0.2	20.1	68.4	1.3	5.3	0.7	1.9	13,848
Garsen	1.9	0.2	16.0	78.4	0.3	2.0	0.7	0.4	5,167
Galole	2.2	0.3	16.4	73.4	0.5	5.1	1.1	1.0	3,745
Bura	2.1	0.2	27.2	54.2	2.8	8.8	0.4	4.3	4,936
Lamu County	16.1	0.7	37.7	36.7	0.4	1.4	5.0	1.9	5,245
Lamu East	8.7	0.1	74.7	8.6	0.5	1.5	5.7	0.1	940
Lamu West	17.8	0.8	29.6	42.9	0.4	1.3	4.9	2.3	4,305
Taita-Taveta County	13.1	0.4	49.6	34.0	0.4	0.3	2.1	0.2	23,655
Taveta	15.1	0.5	33.8	48.0	0.2	0.7	1.4	0.3	4,375

Wundanyi	13.8	0.3	50.5	32.7	0.5	0.2	1.7	0.2	5,121
Mwatate	6.9	0.1	50.1	39.8	0.3	0.3	2.5	0.1	6,408
Voi	16.5	0.5	57.5	22.2	0.5	0.3	2.4	0.1	7,751
Marsabit County	6.8	0.1	24.9	12.5	2.9	46.7	1.2	4.9	20,269
Moyale	14.8	0.1	44.4	18.6	5.4	15.7	0.5	0.4	5,368
North Horr	0.0	0.1	11.0	5.5	2.8	62.6	1.4	16.6	4,578
Saku	15.4	0.3	39.7	29.1	3.8	9.5	1.0	1.2	3,732
Laisamis	0.1	0.0	10.2	2.9	0.5	81.9	1.7	2.7	6,591
Isiolo County	16.3	0.4	32.1	20.9	3.0	23.5	1.3	2.5	11,857
Isiolo North	21.1	0.4	25.1	22.1	3.1	25.8	1.2	1.2	9,087
Isiolo South	0.6	0.5	54.9	16.9	2.7	16.0	1.6	6.8	2,770
Meru County	14.3	0.6	26.6	51.5	0.8	2.0	3.9	0.3	89,267
Igembe South	15.3	0.8	23.8	53.5	1.2	3.0	1.9	0.5	7,246
Igembe Central	4.2	0.4	21.9	67.8	0.9	2.4	2.1	0.2	9,579
Igembe North	6.0	0.5	18.3	66.8	0.5	6.2	1.4	0.2	7,467
Tigania West	3.9	0.4	15.2	72.7	0.7	1.5	5.4	0.2	9,911
Tigania East	4.4	0.4	16.8	72.6	0.7	2.7	2.2	0.3	9,711
North Imenti	39.3	0.6	27.3	28.2	0.8	0.3	3.2	0.2	12,062
Buuri	13.6	0.8	43.5	31.8	1.1	1.5	7.4	0.2	12,222
Central Imenti	14.6	0.5	34.8	41.9	0.5	1.5	6.1	0.2	8,437
South Imenti	18.7	0.7	31.0	43.9	0.5	1.2	3.6	0.4	12,632
Tharaka Nithi County	8.8	0.4	29.5	51.2	0.7	3.7	5.1	0.7	27,711
Maara	10.5	0.5	42.2	39.3	0.8	1.6	4.9	0.2	7,910
Chuka/Igambangombe	12.3	0.5	33.1	46.4	0.6	2.7	3.9	0.5	11,060
Tharaka	2.9	0.2	13.4	68.0	0.6	6.7	6.8	1.3	8,741
Embu County	13.9	0.6	34.7	45.9	0.6	1.1	2.8	0.4	41,864
Manyatta	29.2	0.7	27.4	39.8	0.6	0.5	1.6	0.2	12,752
Runyenjes	11.3	0.9	37.3	46.6	0.6	0.7	2.4	0.2	10,982
Mbeere South	4.5	0.4	40.9	47.4	0.6	1.1	4.6	0.3	10,243
Mbeere North	4.9	0.5	34.7	52.9	0.6	2.3	3.0	1.2	7,887
Kitui County	3.7	0.5	55.5	31.2	0.7	5.2	2.7	0.5	91,103
Mwingi North	1.0	0.6	58.2	21.6	0.8	14.5	1.8	1.4	12,059
Mwingi West	6.8	0.4	61.9	24.6	0.6	0.7	4.8	0.3	12,782
Mwingi Central	3.3	0.6	54.6	29.0	0.9	8.3	2.4	0.9	11,220
Kitui West	3.9	0.4	58.6	31.9	0.6	0.3	4.3	0.0	10,517

Kitui Rural	1.0	0.8	50.1	42.1	0.9	2.6	2.0	0.6	9,439
Kitui Central	11.1	0.5	53.4	30.7	0.6	0.7	3.0	0.1	11,985
Kitui East	1.0	0.5	52.2	33.0	0.8	10.0	1.9	0.6	10,052
Kitui South	0.3	0.5	53.6	39.0	0.5	4.4	1.3	0.3	13,049
Machakos County	13.1	0.6	57.9	24.7	0.5	0.2	2.6	0.3	95,690
Masinga	3.3	0.3	59.6	33.1	0.3	0.4	2.7	0.2	11,557
Yatta	7.7	0.3	63.3	25.4	0.5	0.3	2.3	0.2	13,640
Kangundo	7.7	0.4	62.5	24.4	1.0	0.2	3.6	0.2	8,368
Matungulu	9.7	0.7	61.5	23.5	0.7	0.2	3.2	0.5	9,864
Kathiani	4.3	0.6	66.0	25.7	0.5	0.2	2.4	0.3	9,801
Mavoko	48.8	1.1	33.2	14.9	0.2	0.1	1.1	0.6	8,984
Machakos Town	22.1	0.9	56.2	17.7	0.4	0.1	2.3	0.2	17,986
Mwala	4.4	0.7	58.5	32.2	0.6	0.2	3.3	0.1	15,490
Makueni County	5.0	0.4	65.0	25.0	0.5	0.6	3.4	0.2	76,434
Mbooni	1.7	0.5	64.2	28.9	0.4	0.5	3.8	0.1	17,139
Kilome	4.8	0.4	70.7	19.8	0.8	0.4	2.8	0.3	8,111
Kaiti	2.7	0.3	69.6	21.5	0.4	0.7	4.6	0.1	11,170
Makueni	5.7	0.4	69.8	19.2	0.5	0.8	3.4	0.2	15,332
Kibwezi West	10.0	0.5	59.0	26.6	0.5	0.8	2.5	0.2	13,756
Kibwezi East	5.3	0.3	57.9	32.2	0.4	0.6	3.1	0.2	10,926
Garissa County	22.0	0.4	19.2	28.9	13.8	9.2	0.4	6.0	15,946
Garissa Township	57.0	0.5	14.7	12.8	12.5	1.9	0.3	0.3	6,106
Balambala	0.2	0.1	18.8	37.8	9.6	17.8	0.1	15.7	1,843
Lagdera	0.1	-	41.4	15.1	13.8	19.7	0.6	9.5	1,587
Dadaab	0.9	1.7	6.7	16.1	35.4	27.3	0.3	11.6	1,820
Fafi	0.4	0.1	25.1	45.8	6.8	6.7	0.2	14.8	1,759
Ijara	0.2	0.0	21.3	63.6	10.0	3.5	0.8	0.7	2,831
Wajir County	5.3	0.2	33.8	18.1	12.0	22.6	0.2	7.9	14,755
Wajir North	0.0	0.1	27.0	20.9	12.4	37.4	0.4	1.8	2,325
Wajir East	16.7	0.2	42.4	14.4	13.8	8.5	0.2	3.7	4,305
Tarbaj	-	0.1	33.7	6.2	6.2	50.9	-	2.9	1,573
Wajir West	0.3	0.1	39.6	29.0	4.2	18.8	-	8.0	1,992
Eldas	-	0.1	18.6	30.9	14.3	29.0	0.3	6.9	1,562
Wajir South	1.6	0.3	30.7	13.7	16.2	15.8	0.1	21.5	2,998
Mandera County	4.5	0.3	34.5	14.8	12.0	29.7	0.3	3.8	22,260

Mandera West	-	0.1	57.4	4.9	3.0	34.1	0.1	0.4	2,808
Banissa	0.1	0.2	23.8	13.7	6.3	54.3	0.2	1.5	2,960
Mandera North	0.1	0.4	25.6	17.2	18.9	32.5	0.3	5.0	3,852
Mandera South	0.9	0.0	40.0	11.3	7.0	38.4	0.2	2.2	5,274
Mandera East	19.3	0.7	33.8	22.7	17.8	2.7	0.4	2.5	4,823
Lafey	0.9	0.2	25.2	15.7	18.0	25.4	0.1	14.6	2,543
Siaya County	3.3	0.3	18.3	76.6	0.4	0.2	0.7	0.1	88,552
Ugenya	2.4	0.2	14.0	82.0	0.5	0.1	0.7	0.0	13,183
Ugunja	3.3	0.3	16.5	78.6	0.5	0.2	0.6	0.1	10,590
Alego Usonga	4.0	0.3	15.8	78.5	0.4	0.3	0.6	0.1	20,877
Gem	3.9	0.4	17.0	77.4	0.4	0.2	0.7	0.0	16,138
Bondo	4.0	0.5	25.0	68.9	0.4	0.2	1.0	0.1	14,352
Rarieda	1.8	0.4	22.5	73.9	0.4	0.2	0.8	0.1	13,412
Kisumu County	13.8	0.5	21.5	62.6	0.5	0.3	0.9	0.1	80,720
Kisumu East	17.2	0.5	23.9	57.1	0.5	0.2	0.3	0.1	10,262
Kisumu West	9.0	0.4	23.9	65.3	0.5	0.2	0.8	0.0	10,493
Kisumu Central	58.5	0.4	18.9	21.7	0.1	0.1	0.1	0.2	11,831
Seme	1.8	0.3	15.4	81.1	0.4	0.2	0.8	0.0	10,893
Nyando	3.9	0.5	20.8	72.9	0.5	0.3	0.9	0.1	13,192
Muhoroni	4.9	0.7	20.9	71.3	0.5	0.3	1.2	0.2	10,722
Nyakach	1.9	0.5	26.1	68.7	0.8	0.4	1.6	0.0	13,327
Homa Bay County	2.4	0.4	19.0	76.5	0.5	0.4	0.7	0.1	88,795
Kasipul	5.0	0.3	25.0	68.0	0.5	0.2	0.9	0.1	10,876
Kabondo Kasipul	2.1	0.4	17.0	78.5	0.6	0.3	1.1	0.0	10,217
Karachuonyo	0.8	0.3	22.2	74.6	0.6	0.4	1.0	0.1	15,064
Rangwe	1.3	0.3	13.9	83.0	0.4	0.5	0.5	0.0	9,762
Homa Bay Town	8.6	0.6	21.2	68.3	0.5	0.2	0.5	0.1	8,648
Ndhiwa	0.9	0.3	11.8	85.4	0.5	0.5	0.4	0.1	16,818
Suba North	1.5	0.4	24.6	71.3	0.3	0.9	1.1	0.0	9,077
Suba South	0.8	0.4	19.8	77.3	0.5	0.4	0.6	0.1	8,333
Migori County	3.7	0.4	22.8	71.2	0.6	0.6	0.6	0.1	63,605
Rongo	6.3	0.8	23.1	68.0	1.0	0.3	0.6	0.1	8,295
Awendo	6.9	0.3	16.4	74.8	0.5	0.3	0.7	0.1	8,256
Suna East	6.7	0.4	23.8	67.1	0.5	0.5	0.8	0.2	6,890
Suna West	3.8	0.5	24.5	69.5	0.6	0.5	0.6	0.0	7,128

Uriri	1.4	0.2	15.2	81.6	0.6	0.3	0.7	0.0	8,333
Nyatike	0.6	0.4	24.9	72.6	0.4	0.5	0.5	0.1	11,916
Kuria West	3.9	0.3	29.0	64.5	0.5	1.3	0.3	0.2	8,643
Kuria East	0.3	0.3	26.7	69.4	0.7	1.9	0.6	0.1	4,144
Kisii County	6.1	0.3	29.5	62.6	0.5	0.3	0.6	0.1	81,069
Bonchari	6.2	0.1	19.4	73.2	0.5	0.2	0.3	0.1	8,070
South Mugirango	2.6	0.2	23.8	71.9	0.6	0.3	0.6	0.1	10,065
Bomachoge Borabu	3.7	0.2	34.4	60.0	0.8	0.2	0.6	0.2	6,796
Bobasi	2.1	0.3	34.9	61.0	0.5	0.5	0.6	0.0	13,662
Bomachoge Chache	4.0	0.3	31.7	62.2	0.5	0.6	0.7	0.0	6,005
Nyaribari Masaba	3.6	0.3	30.8	63.9	0.5	0.3	0.6	0.0	9,183
Nyaribari Chache	12.6	0.6	33.7	51.5	0.6	0.2	0.7	0.2	8,976
Kitutu Chache North	1.2	0.2	29.7	67.4	0.5	0.3	0.7	0.1	8,945
Kitutu Chache South	19.4	0.2	26.0	52.9	0.3	0.1	0.8	0.2	9,367
Nyamira County	4.7	0.3	37.9	55.5	0.6	0.3	0.7	0.0	42,033
Kitutu Masaba	3.1	0.3	40.4	54.7	0.6	0.2	0.8	0.0	15,296
West Mugirango	6.0	0.3	35.5	56.5	0.7	0.3	0.6	0.0	11,348
North Mugirango	3.3	0.1	34.8	60.0	0.5	0.5	0.7	0.1	7,653
Borabu	7.3	0.4	39.3	51.3	0.4	0.2	1.0	0.1	7,736
Turkana County	1.6	0.1	7.6	9.0	0.6	77.0	0.6	3.6	39,473
Turkana North	0.1	0.1	2.4	3.2	0.6	88.5	0.3	4.8	7,196
Turkana West	1.8	0.1	5.5	7.8	0.6	79.4	0.5	4.4	7,687
Turkana Central	4.7	0.2	16.2	15.0	0.5	58.0	1.2	4.4	9,412
Loima	-	0.1	1.6	1.7	0.6	93.5	0.2	2.3	7,039
Turkana South	0.7	0.1	10.1	16.7	0.6	69.5	0.8	1.5	5,392
Turkana East	0.2	0.1	8.4	10.5	0.6	77.7	0.4	2.1	2,747
West Pokot County	2.8	0.1	22.3	23.5	0.5	50.1	0.4	0.3	27,155
Kapenguria	7.6	0.2	27.9	30.2	0.5	33.1	0.4	0.2	9,101
Sigor	0.1	0.0	11.1	18.1	0.4	69.6	0.3	0.4	4,470
Kacheliba	0.1	0.0	4.8	7.1	0.5	86.9	0.2	0.3	5,896
Pokot South	0.7	0.1	35.8	31.2	0.6	30.8	0.5	0.4	7,688
Samburu County	3.7	0.4	9.1	21.0	0.9	63.1	1.1	0.8	21,576
Samburu West	9.1	0.3	13.7	38.6	1.0	35.6	1.3	0.5	8,118
Samburu North	0.2	0.0	5.1	12.1	0.9	80.4	0.7	0.5	6,976
Samburu East	0.7	1.0	7.7	8.3	0.6	78.8	1.2	1.5	6,482

Trans-Nzoia County	8.4	0.6	38.7	50.1	0.7	0.6	0.7	0.2	48,993
Kwanza	9.0	0.5	33.9	54.5	0.7	0.5	0.6	0.3	9,714
Endebess	1.4	0.2	20.7	75.2	0.8	1.4	0.2	0.1	4,488
Saboti	12.0	0.6	34.9	50.8	0.6	0.4	0.3	0.4	10,218
Kiminini	11.6	1.0	41.4	43.9	0.6	0.4	1.0	0.1	12,446
Cherangany	4.2	0.4	49.6	43.1	0.7	0.7	1.2	0.3	12,127
Baringo County	8.7	0.3	36.9	18.9	0.8	32.4	1.6	0.4	37,512
Tiaty	0.1	0.0	4.0	2.6	0.6	91.5	0.6	0.5	8,651
Baringo North	5.1	0.2	42.3	21.4	0.9	27.8	1.8	0.5	6,810
Baringo Central	23.8	0.5	44.7	18.3	0.5	10.5	1.6	0.2	5,495
Baringo South	4.6	0.5	39.6	30.6	1.2	20.9	2.0	0.6	5,847
Mogotio	5.6	0.1	54.1	25.3	1.0	11.3	2.3	0.3	3,939
Eldama Ravine	16.3	0.5	54.9	24.0	0.5	1.8	1.8	0.2	6,770
Uasin-Gishu County	27.9	0.6	44.5	24.9	0.4	0.3	1.1	0.3	56,691
Soy	10.1	0.4	51.4	35.7	0.6	0.2	1.4	0.1	10,152
Turbo	36.6	0.8	35.2	26.1	0.3	0.3	0.4	0.3	14,244
Moiben	32.3	0.5	48.9	15.4	0.4	0.4	1.5	0.5	9,437
Ainabkoi	30.1	0.4	48.2	18.9	0.3	0.3	1.6	0.2	6,634
Kapseret	33.5	0.6	43.1	20.6	0.3	0.2	1.1	0.6	8,535
Kesses	22.0	0.7	45.3	30.1	0.4	0.3	1.1	0.2	7,689
Elgeyo Marakwet County	7.2	0.3	45.8	28.1	0.7	16.4	1.3	0.2	23,429
Marakwet East	0.2	0.1	30.7	25.0	0.8	41.4	1.3	0.5	5,951
Marakwet West	4.9	0.4	48.3	36.3	0.6	8.2	1.2	0.1	6,313
Keiyo North	14.8	0.3	49.7	25.1	0.3	8.0	1.5	0.3	4,582
Keiyo South	10.3	0.3	54.3	25.2	0.9	7.7	1.2	0.1	6,583
Nandi County	6.4	0.3	42.2	49.4	0.5	0.2	0.9	0.1	42,105
Tinderet	2.7	0.1	28.7	67.1	0.3	0.3	0.8	0.0	4,505
Aldai	3.4	0.3	35.7	58.9	0.5	0.2	0.9	0.2	8,213
Nandi Hills	8.4	0.4	34.0	55.9	0.4	0.2	0.6	0.1	5,681
Chesumei	10.1	0.3	47.9	39.7	0.5	0.1	1.1	0.2	8,006
Emgwen	10.0	0.4	42.9	44.8	0.5	0.3	0.9	0.1	7,917
Mosop	2.8	0.3	56.1	39.1	0.6	0.1	0.9	0.1	7,783
Laikipia County	16.0	0.5	34.8	36.3	0.7	6.5	5.0	0.3	34,825
Laikipia West	15.6	0.3	38.0	36.5	0.8	3.3	5.2	0.3	17,108
Laikipia East	25.7	0.8	38.4	27.5	0.5	0.6	6.3	0.2	10,613

Laikipia North	2.7	0.2	21.8	48.8	0.7	23.0	2.4	0.5	7,104
Nakuru County	31.4	0.5	37.7	26.7	0.5	0.8	2.0	0.4	126,104
Molo	16.8	0.5	47.2	31.8	0.6	0.8	2.0	0.4	9,120
Njoro	11.3	0.5	48.8	35.3	0.8	0.6	2.5	0.3	14,393
Naivasha	37.0	0.5	37.0	22.5	0.5	0.4	1.7	0.4	21,699
Gilgil	22.5	0.3	41.3	30.2	0.5	0.5	3.9	0.8	12,469
Kuresoi South	3.1	0.2	49.9	39.3	0.3	4.2	2.7	0.2	6,975
Kuresoi North	2.2	0.2	39.8	54.6	0.4	1.4	1.2	0.2	8,250
Subukia	11.4	0.5	46.8	35.4	0.4	0.5	4.8	0.2	8,031
Rongai	23.6	0.3	44.9	26.6	0.7	1.7	2.0	0.3	9,846
Bahati	38.0	1.5	38.2	19.1	1.0	0.2	1.9	0.3	11,087
Nakuru Town West	66.6	0.5	20.5	11.5	0.1	0.2	0.2	0.4	10,649
Nakuru Town East	78.5	0.5	12.7	7.1	0.2	0.2	0.4	0.4	13,585
Narok County	4.3	0.4	26.0	57.5	0.5	9.0	1.1	1.1	56,237
Kilgoris	2.8	0.4	18.8	75.0	0.6	0.7	1.2	0.7	10,285
Emurua Dikirr	0.1	0.4	31.2	65.6	0.3	1.2	1.0	0.0	4,900
Narok North	14.8	0.6	31.3	43.4	0.5	8.3	0.6	0.7	11,563
Narok East	3.3	0.7	17.9	67.6	0.7	7.5	0.7	1.6	6,155
Narok South	0.6	0.3	29.7	47.4	0.4	19.5	1.4	0.8	12,184
Narok West	1.3	0.3	25.5	58.2	0.3	10.4	1.5	2.4	11,150
Kajiado County	31.7	0.7	17.9	44.5	0.4	3.0	0.8	1.0	53,247
Kajiado North	72.7	0.9	15.1	10.2	0.5	0.1	0.2	0.4	13,618
Kajiado Central	14.6	0.3	15.5	64.7	0.2	3.5	0.3	1.0	9,649
Kajiado East	38.2	0.6	23.3	33.7	0.2	1.0	1.5	1.5	10,079
Kajiado West	12.6	0.4	13.7	61.9	0.5	8.0	1.2	1.8	9,319
Kajiado South	5.0	1.1	22.3	65.1	0.4	4.0	1.3	0.8	10,582
Kericho County	9.8	0.3	50.1	37.3	0.5	0.3	1.5	0.1	41,758
Kipkelion East	4.5	0.2	56.4	35.7	0.4	0.4	2.2	0.1	7,182
Kipkelion West	0.7	0.1	38.7	57.8	0.6	0.3	1.7	0.1	5,390
Ainamoi	24.4	0.5	40.5	33.0	0.4	0.2	0.8	0.3	8,439
Bureti	7.5	0.3	67.1	22.5	0.5	0.3	1.6	0.2	8,517
Belgut	11.7	0.5	53.7	32.0	0.5	0.2	1.4	0.0	6,710
Sigowet/Soin	4.8	0.3	37.2	55.5	0.7	0.2	1.4	0.0	5,520
Bomet County	3.3	0.3	63.8	28.3	0.7	1.0	2.4	0.3	43,197
Sotik	3.8	0.3	59.2	33.2	0.5	0.4	2.4	0.1	10,071

Chepalungu	0.7	0.2	67.3	27.1	0.7	0.8	2.7	0.5	10,961
Bomet East	2.6	0.2	68.2	23.8	0.7	1.9	2.2	0.4	8,204
Bomet Central	6.5	0.4	69.3	19.6	0.8	0.4	2.9	0.1	6,432
Konoin	4.4	0.3	55.2	35.5	0.7	1.8	1.7	0.2	7,529
Kakamega County	4.7	0.4	28.1	64.9	0.8	0.4	0.6	0.1	120,830
Lugari	2.6	0.8	41.3	53.1	0.7	0.6	0.8	0.1	10,920
Likuyani	5.6	0.7	51.0	40.5	0.5	0.3	1.1	0.2	8,871
Malava	1.9	0.5	26.9	68.9	0.6	0.3	0.7	0.1	12,010
Lurambi	21.9	0.6	32.9	43.0	0.4	0.3	0.6	0.3	10,753
Navakholo	1.6	0.4	18.7	77.6	1.0	0.2	0.5	0.0	9,411
Mumias West	9.3	0.6	21.0	67.8	0.6	0.3	0.3	0.2	8,706
Mumias East	1.8	0.4	21.9	73.9	0.9	0.6	0.4	0.1	7,283
Matungu	1.1	0.3	21.4	75.8	0.8	0.3	0.3	0.1	10,433
Butere	2.8	0.3	19.6	75.6	0.8	0.3	0.6	0.1	11,114
Khwisero	1.2	0.3	20.8	75.8	0.8	0.3	0.7	0.0	9,749
Shinyalu	3.8	0.3	31.6	62.1	0.9	0.6	0.5	0.1	12,281
Ikolomani	2.5	0.3	28.5	66.5	1.3	0.2	0.6	0.0	9,299
Vihiga County	5.7	0.4	27.9	64.1	0.8	0.5	0.5	0.1	48,653
Vihiga	6.7	0.3	30.8	60.5	0.8	0.3	0.5	0.1	8,244
Sabatia	8.1	0.4	37.0	52.9	0.9	0.2	0.4	0.1	11,356
Hamisi	5.8	0.5	32.6	59.1	0.6	0.7	0.5	0.2	12,022
Luanda	5.0	0.4	18.0	74.8	1.0	0.2	0.6	0.0	8,538
Emuhaya	2.2	0.2	16.1	79.1	1.0	0.9	0.5	0.0	8,493
Bungoma County	4.2	0.5	26.3	67.4	0.6	0.6	0.4	0.1	80,184
Mt Elgon	1.4	0.2	18.3	77.5	0.5	1.9	0.2	0.1	9,237
Sirisia	1.7	0.3	24.7	72.0	0.3	0.5	0.3	0.2	6,019
Kabuchai	1.8	0.5	26.6	69.9	0.7	0.2	0.2	0.1	8,291
Bumula	0.7	0.5	15.7	81.7	0.5	0.6	0.2	0.1	10,738
Kanduyi	11.6	0.8	28.6	56.8	0.8	0.7	0.5	0.2	13,538
Webuye East	4.9	0.7	31.6	61.8	0.5	0.1	0.4	0.1	5,876
Webuye West	7.1	0.4	26.7	64.3	0.6	0.3	0.4	0.2	7,191
Kimilili	4.7	0.5	27.3	65.9	0.9	0.2	0.3	0.2	7,753
Tongaren	1.3	0.6	36.6	59.7	0.7	0.2	0.9	0.1	11,541
Busia County	4.5	0.3	20.6	73.2	0.5	0.4	0.4	0.2	56,097
Teso North	7.8	0.2	24.8	65.8	0.4	0.2	0.4	0.3	7,251

Teso South	5.5	0.2	18.9	73.7	0.4	0.6	0.2	0.4	8,350
Nambale	2.9	0.4	24.3	70.8	0.4	0.6	0.5	0.1	6,660
Matayos	9.0	0.3	28.1	61.3	0.5	0.2	0.4	0.2	8,425
Butula	1.6	0.6	17.0	79.2	0.5	0.7	0.3	0.1	11,328
Funyula	1.8	0.2	17.0	79.4	0.7	0.1	0.7	-	7,790
Budalangi	3.1	0.3	14.9	81.0	0.4	0.1	0.2	0.0	6,293

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