

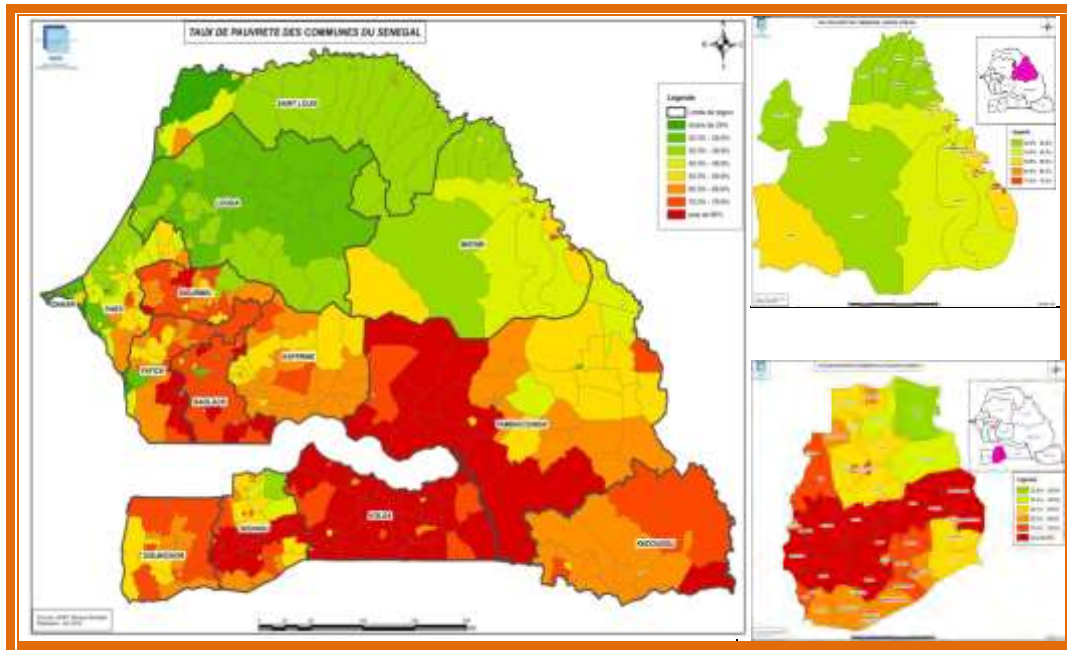
REPUBLIQUE DU SENEGAL



MINISTERE DE L'ECONOMIE, DES FINANCES ET DU PLAN

AGENCE NATIONALE DE LA STATISTIQUE ET DE LA DEMOGRAPHIE  
(A.N.S.D.)

SENEGAL



# MAPPING THE POOR IN SENEGAL : TECHNICAL REPORT

2016



THE WORLD BANK

Working for a World  
Free of Poverty



---

# MAPPING THE POOR IN SENEGAL: TECHNICAL REPORT

---

**DRAFT VERSION**

## 1. Introduction

Senegal has been successful on many fronts such as social stability and democratic development; its record of economic growth and poverty reduction however has been one of mixed results. The recently completed poverty assessment in Senegal (World Bank, 2015b) shows that national poverty rates fell by 6.9 percentage points between 2001/02 and 2005/06, but subsequent progress diminished to a mere 1.6 percentage point decline between 2005/06 and 2011, from 55.2 percent in 2001 to 48.3 percent in 2005/06 to 46.7 percent in 2011. In addition, large regional disparities across the regions within Senegal exist with poverty rates decreasing from North to South (with the notable exception of Dakar). The spatial pattern of poverty in Senegal can be explained by factors such as the lack of market access and connectivity in the more isolated regions to the East and South.

Inequality remains at a moderately low level on a national basis but about two-thirds of overall inequality in Senegal is due to within-region inequality and between-region inequality as a share of total inequality has been on the rise during the 2000s. As a Sahelian country, Senegal faces a critical constraint, inadequate and unreliable rainfall, which limits the opportunities in the rural economy where the majority of the population still lives to differing extents across the regions. As a result of these regional disparities in poverty incidence and inequality, a poverty mapping exercise was conducted in Senegal which provides poverty estimates at geographical areas smaller than regions. It also provides a visual representation of poverty at commune levels and reveals pockets of poverty and islands of prosperity where they exist.

With persistent poverty rates at a national level and large regional disparities in poverty incidence and inequality across the regions within Senegal, the knowledge of living standards at smaller disaggregated geographical spaces at the levels of départements, and communes can help inform policy design and decision making at a sub-regional level. Poverty maps and poverty estimates at sub-regional levels, which utilize small-area estimation techniques to obtain highly disaggregated poverty estimates from survey and census data, are therefore a welcome exercise to allow for accelerated poverty reduction through more precise policy design and targeting of development projects and programs in lagging regions.

In Senegal, official poverty rates are produced at a national and regional level. Poverty mapping is an exercise to estimate poverty incidence at a level where the traditional Senegalese household survey on consumption cannot produce statistically reliable and representative poverty estimates due sampling design and sample size. The latest household survey, the Enquête de la Suivi de la Pauvreté au Sénégal,

was implemented in 2011 (ESPS-2) and provides rich information on household well-being, consumption expenditure, employment, housing, education, health, and other socioeconomic indicators. However, poverty indicators are produced at the national and regional level and they are unable to capture important differences between different geographical spaces at the sub-regional levels such as départements or communes. The rich information of the ESPS-2 is combined with the census data collected in 2013 (Recensement Général de la Population et de l'Habitat, de l'Agriculture et de l'Elevage), which collected information on the entire population in Senegal. By applying small-area estimation techniques, we are able to improve the accuracy of direct survey estimates of welfare for small-areas by combining survey and census data.

A noteworthy aspect of this exercise is the establishment of strong country ownership of the maps. The National Statistical and Demography Agency of Senegal – Agence Nationale de la Statistique et de la Démographie (ANSD) – took strong ownership in the production of the maps with involvement in all steps of the poverty mapping exercise.

This report describes in detail the production of the Senegal poverty maps and presents results from the poverty mapping exercise, the first of its kind for Senegal. The structure of the report is as follows. Section 2 outlines the poverty mapping methodology applied in Senegal and section 3 discusses the main data sources and issues faced with the datasets. Section 4 discusses the modeling exercises including model selection, model parameters and assumptions while section 5 illustrates the results of the poverty map in Senegal at a national and regional level. Section 6 briefly outlines the validation exercises undertaken during the poverty mapping exercise and section 7 concludes.

## 2. Poverty mapping methodology

Conventionally, small-area estimation involves modeling a relationship between household consumption expenditure and individual, household, and location characteristics from the survey data and to subsequently impose this relationship on the census data to estimate household expenditure. This of course demands a common set of variables in the survey and the census datasets (Elbers et al., 2002). The more common variables we can find in the survey and census data and the more these variables resemble one another in terms of means and range, the better the results for estimating consumption expenditure. In creating the poverty map for Senegal, we follow the Elbers, Lanjouw, and Lanjouw (henceforth, ELL) small-area estimation methodology which offers the possibility to produce statistically significant reliable poverty estimates for small spaces (Elbers et al., 2003).

Poverty rates are usually measured on the basis of a sample survey which collects consumption expenditure on household and individuals and compares it to a poverty line. If consumption expenditure of individuals is below this country-specific threshold, the individual is considered to be poor. Since our estimates are based on a nationally representative sample, the sampling errors of poverty estimates rise rapidly as the area under consideration gets smaller. For example, the standard error of national poverty estimates in Senegal is 1.3 percent but the standard errors vary drastically between 2.4 and 4.9 percent for regional poverty estimates. The small-area estimation technique also shows increases in standard

errors the smaller the geographical disaggregation, however, at levels much smaller than in the traditional method and as a result, we can obtain reasonably precise estimates at sub-regional levels.

The reason for small-area estimation is framed around imputation from survey to census which can be fairly complex. It combines the strengths of the richness of information from the survey data and size of the census data to estimate poverty headcount and other indicators at small geographical areas. Household surveys on household consumption expenditure yield average consumption, poverty headcount rate, and other welfare and inequality measures. The poverty mapping exercise for Senegal proceeded in three broad steps<sup>1</sup>. First, the variables common to the survey and the census were identified. These variables included demographic characteristics of the household head such as age, gender, marital status, and educational attainment; household characteristics such as household size, dependency ratios, and number of orphans; ownership of assets such as TVs, ovens, solar panels, bicycles, etc.; characteristics of the dwelling such as the material of the wall, roof, floor as well as the type of housing, toilet facilities, lighting, and drinking water; and ownership of livestock and other agricultural assets such as land and equipment. In addition to identifying the common variables and creating corresponding categories for each of the variables, the common variables have to be examined for statistical comparability. Only variables that are similar to one another in the survey and the census based on the comparison of means are included in the modeling. Those variables with means that are statistically different from one another were excluded from the models.

Second, household expenditure is regressed on the set of common candidate variables as follows:

$$\ln(y_{ch}) = X_{ch}\beta + Z_y + u_{ch} \quad (1)$$

where  $\ln(y_{ch})$  is the log of per capita expenditure of household  $h$  in cluster  $c$ ,  $X_{ch}$  is the vector of selected household and cluster characteristics,  $\beta$  is the vector of regression coefficients,  $Z_y$  is the vector of location specific variables and  $u_{ch}$  is the vector of disturbances due to differences in the predicted and actual value of household consumption. The subscript  $ch$  refers to household  $h$  living in cluster  $c$ . For the poverty map in Senegal, we use regional models and therefore the expenditure model (1) is computed for all 14 regions separately. We therefore allow for variation in the relationship between expenditure and the selected variables in each region to improve precision in the projected poverty rates and to reduce the challenge of non-comparability in candidate variables across survey and census data. At the regional level, we find improved comparability across the two data sources which allow us to include a larger set of candidate variables into the consumption model.

In addition, to address one of the main critiques of the ELL methodology brought forth by Tarozzi and Deaton (2009), which raises the concern that the level of precision of the results could be overstated if the error structure is misspecified and that household level variables may not sufficiently explain the per capita expenditure variable due to cluster-specific characteristics, we incorporate cluster level information by creating area-level means of the census and merging it into the survey data. The better model (1) is at capturing location effects, the smaller the potential for underestimating standard errors.

---

<sup>1</sup> The three steps will only be briefly discussed in a non-technical manner. For more technical details, please refer to ELL 2002, 2003 or the application of ELL to the poverty map of Iraq (World Bank, 2015a).

The poverty map for Senegal uses location-specific effects at cluster levels which are below the level at which the poverty rates are estimated.

The disturbance term  $u_{ch}$  is assumed to have two components: a location-specific effect  $\eta_c$  which is common to all households in the same area and a household-specific random effect  $\epsilon_{ch}$ :

$$u_{ch} = \eta_c + \epsilon_{ch} \quad (2)$$

Equation (1) is first estimated using Ordinary Least Squares (OLS) to obtain the residuals  $u_{ch}$ . The specification of residuals (2) allows for correlation in household expenditures within clusters which are calculated by taking within-cluster means of the total estimated residual as well as across households by estimating the overall residual minus the location component. In most of the 14 regional models, location errors  $\eta_c$  are drawn from their estimated unconditional distributions but in one case (Dakar), the simulation-based approach (Empirical Best) was applied which uses the observed distribution of location error in the sample data. Trimming of predicted household expenditures was not applied.

Third, we predict per capita expenditure in the census by drawing a vector of betas ( $\hat{\beta}$ ), a vector of location-specific disturbance ( $\hat{\eta}_c$ ), a vector of household-specific disturbance ( $\hat{\epsilon}_{ch}$ ) as follows:

$$\ln(\widehat{y_{ch}}) = X_{ch}\hat{\beta} + \hat{\eta}_c + \hat{\epsilon}_{ch} \quad (3)$$

This procedure is repeated 100 times and at each round of the simulation the headcount rate and other poverty and inequality measures are calculated. The average of these 100 simulations is then reported as the predicted point estimate with the standard errors derived from the standard deviation. The predicted estimates are derived under the assumption that beta parameters, i.e., the estimated relationship between expenditure and household and individual characteristics, are stable over time and do not change between the survey and the census. The survey and census data in Senegal are two years apart which could cause a bias in poverty estimates if appropriate treatments were not undertaken. However, based on Tarrozi and Deaton (2009) which showed the importance of incorporating regional variations in consumption patterns, aggregates at different geographical representation were introduced to reduce this risk.

Fourth, small-area estimates, derived from the models described in steps two and three, are combined with GIS information of Senegal, resulting in the actual “poverty maps” which can be used to visually highlight detailed geographical variations. The lowest administrative level of predictions for the poverty map in Senegal is at the level of the commune (CA/CR).

### 3. Main data sources and issues

#### Data sources

The predicted poverty estimates for the poverty map in Senegal come from two sources, a nationally representative survey of almost 6,000 households, conducted in 2011 and the census data conducted in 2013.

## Household survey data

The Enquête de Suivi de la Pauvreté au Sénégal 2011 (ESPS-2) is the second in a series of nationally representative Household Income and Expenditure Surveys available to measure and analyze poverty and inequality. The previous round of the survey (ESPS-1) was conducted in 2005/06, and its predecessor was in 2001/02, the Deuxième Enquête Sénégalaise Auprès des Ménages (ESAM-2). The ESPS-2 is a random sample survey with national coverage which uses a two-stage sampling method with sampling units based on the census districts defined based on the Census of 2002 with a sample size of 17,891 households. The consumption module however, was only administered to 5,953 of those households which constitutes our sample for the purpose of the study in this report.

## Census data

Senegal's fourth population census was part of the series of population censuses in the decade 2010 (2005-2014) initiated by the United Nations, through the United Nations Population Fund (UNFPA). The General Census of Population and Housing is a fundamental process of gathering information on the status and dynamics of the Senegalese population. It aimed to exhaustively count the population and to collect demographics, economic and cultural attributes for each resident. The main objectives of the Census were to provide:

- Data on socio-demographic characteristics of the population,
- Data on the characteristics of Housing,
- Baseline data for current agro-pastoral statistics,
- Sampling frames for socio-demographic investigations and agro-pastoral,
- Data for monitoring progress towards national and global development goals, particularly the Millennium Development Goals (MDGs).

The unit record census data was collected in 2013 from 20<sup>th</sup> November to 10<sup>th</sup> December 2013 by ANSD and covered roughly 1.5 million households in over 17,000 enumeration areas (Table 1). The census questionnaire was rich, covering a wide range of household information including demographic characteristics, housing conditions, information on agriculture, etc. ANSD opted for the combination of General Census Population and Housing (RGPH) with the National Agricultural Census (Recensement National de l'Agriculture) and the National Livestock Census (Recensement National de l'Elevage). Furthermore, ANSD chose to take advantage of the rapid development of Information and Communication technologies (ICT) in order to obtain better data and make them available to users in a timely manner by using digital data collection devices (via handheld computers commonly known as PDA) (ANSD, 2014).

Table 1. Number of enumeration areas in the census

<b>Strata</b>	<b>Number of EAs in the RGPHAE</b>
Major cities	2,317
Other cities	1,673
Urban Dakar	4,060
Rural	9,115
Total	17,165

Source: ANSD, 2014.

## Poverty measurement

The official poverty measurement methodology<sup>2</sup> follows the Cost of Basic Needs approach. The welfare measure is consumption per adult equivalent. Individual welfare is measured by estimating total household consumption and dividing this by its composition-adjusted household size (the number of “adult equivalents”), which aims to account for children’s lower caloric consumption requirements relative to adults. A simple equivalence scale is used whereby children age 15 or younger are counted as 0.5 adult equivalents. A poverty line is subsequently calculated that represents a minimum acceptable living standard and includes both food and nonfood components. A person is considered poor if his or her consumption level (i.e. consumption per adult equivalent) is less than the total poverty line. The food poverty line represents the cost for a person to meet minimum caloric requirements. In Senegal, it is estimated that an adult requires 2,400 calories per day. People who cannot secure this level of food consumption even if their total consumption were devoted to food are considered “extreme poor”.

In Senegal, separate poverty lines are used for the three zones: Dakar, “other urban,” and rural areas. The total poverty lines for “other urban” and rural areas were about 80percent and 60 percent, respectively, of the Dakar poverty line, reflecting higher costs of living in the capital. However, because a different nonfood share was used for each of the poverty lines, these lines may reflect differences other than just price differences. For a single adult in Dakar, the poverty line is CFAF 1,014 per day (\$2.87 per day in 2005 PPP). In other urban areas, it is CFAF 809 per day (\$2.29 per day in 2005 PPP). In rural areas, it is CFAF 606 per day (\$1.72 per day in 2005 PPP).

To arrive at the *total poverty line*, the nonfood component of the poverty line was defined by estimating nonfood consumption among households whose food consumption is within 5 percent of the value of the food basket. The average value of these households’ nonfood consumption is taken to be the nonfood part of the poverty line. This is done separately for each of the three areas, resulting in a different total poverty line for each area in 2011. In addition, to obtain the total poverty lines for 2001 and 2005, one must make adjustments to reflect price changes between those years. The values of the food basket (the food poverty line) for each of the three areas in each survey year were used as “deflators”—that is, to correct for price differences between those years for each of those areas. This assumes that the price changes of food items are a good approximation of the price changes of nonfood items consumed by the poor in each of these areas, an assumption that might be too strong if nonfood price changes move differently from the food price changes.

## Data challenges

The team encountered several data challenges during the process of creating the poverty map for Senegal which took much time and effort to resolve.

---

<sup>2</sup> Based on World Bank, 2015b.

### Change in sampling frame between ESPS-2 and RGPFAE

One challenge in terms of data was the change of enumeration areas between the census in 2002 on which the sampling frame of the household survey was based upon and the sampling frame of the census in 2013. The change in the sampling frame is due to the fact that several enumeration areas from 2002 were cut into numerous enumeration areas in 2013. Therefore the location codes of the survey and the census were different and the changes in this coding system had to be accounted for. To ensure consistency of location codes between the census and the survey and due to the lack of a "key" to match the location codes of the ESPS-2 and RGPFAE, it was necessary to manually match the enumeration areas for which changes in the sampling frame occurred.

In addition, during the poverty mapping process, the team realized that when estimating poverty rates for the census, there were missing poverty rates for some geographical locations. Upon further investigation, the team discovered that some of the rural enumeration areas in the sampling frame of 2002 were reclassified as urban enumeration areas in the sampling frame of 2013 but these changes were not captured in the poverty mapping datasets.<sup>3</sup> As a result, some of the enumeration areas in the survey dataset had to be reclassified to urban.

### Change in the definition of urban and rural

The definition of urban and rural was changed between 2011 and 2013. The team therefore had two options at hand; either to use the urban/rural definition of 2011 and reclassify the census data or to use the urban/rural definition of 2013 and reclassify the data of 2011. This was an important decision as the change in urban/rural classification of enumeration areas has a large impact on poverty rates as different poverty lines are applied to households based on whether households live in urban or rural areas.

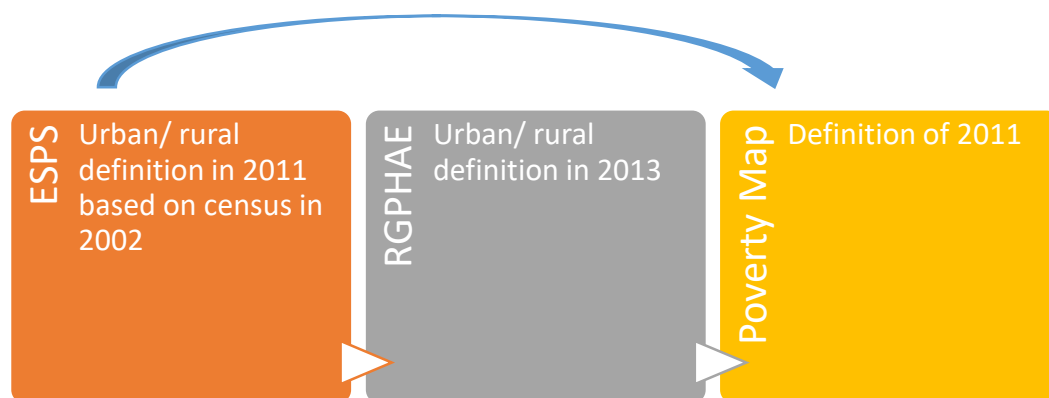
ANSD wanted to keep poverty rates that are calculated directly from the ESPS-2 data and previously published as intact as possible and therefore decided to use the urban/rural definition of the survey in 2011 (based on the 2002 sample frame) (

---

<sup>3</sup> The affected 36 enumeration areas are listed in Annex 3.

Figure 1). This definition was then retrospectively applied to the census dataset of 2013 in order to allow for the comparison of the poverty map results with the official poverty rates of 2011. However, since there were some significant changes in enumeration areas – some areas were split and some locations changed from a rural to an urban classification – and there was no “key” to match the different codes, the team encountered significant challenges in the location code matching and serious delays.

Figure 1. Urban and rural definitions



As a result of the differences in the sampling frame and resulting differences in the urban/rural classification, the team had to undertake a manual check of all enumeration areas to verify their correct location code as well as their affiliation to urban and rural.

#### Difference in the shares of urban and rural populations between survey and census data

During the poverty mapping exercise, the team discovered a decrease in the rate of urbanization between 2011 and 2013 for the regions of Dakar, Saint-Louis and Tambacounda (Table 2). After cross-checking the data with changes in the rate of urbanization, Dakar more or less follows the trend with the introduction of an increasing urban population in rural areas of Rufisque. The other two regions however, deserved further investigation as the rate of urbanization is overestimated even without correcting enumeration areas.

Table 2. Mean comparison of urban population in the survey and census by region

Region	Mean ESPS	s.e.	ci95_lo	ci95_up	Mean RGPHAE
Dakar	0.981	0.006	0.969	0.992	0.947
Saint-Louis	0.595	0.064	0.468	0.721	0.393
Tambacounda	0.368	0.061	0.248	0.488	0.238

Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

Table 3 shows the difference in the share of the population living in urban and rural areas in the census and the survey data in the region as well as by department for Saint-Louis and Tambacounda. The departments of Dagana (department 1) and Podor (department 2) in Saint-Louis as well as Koupentoum (department 4) and Goudiry (department 3) in Tambacounda in the ESPS-2 data over- or understate the share of population living in urban areas drastically. According to ANSD, for some of the enumeration areas of Koupentoum and for all departments of the 14 regions the number of enumeration areas was systematically corrected and revised upwards between the census of 2002 (used as the sample frame for the ESPS-2) and 2010 (the mapping used for the ESPS-2) without taking into account the peculiarity of some of the enumeration areas which is likely the cause of the distortions when applying the weighted outcome of these calculations.

Table 3. Share of the population living in urban/rural areas in survey and census data

<b>Saint Louis</b>	<b>RGPHAE</b>	<b>ESPS</b>
Region	39.3%	59.5%
Departement 1	40.0%	60.6%
Departement 2	14.3%	44.0%
Departement 3	70.4%	78.9%
<b>Tambacounda</b>	<b>RGPHAE</b>	<b>ESPS</b>
Region	23.8%	36.8%
Departement 1	22.7%	20.6%
Departement 2	36.2%	35.2%
Departement 3	8.8%	20.6%
Departement 4	9.4%	72.0%

Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

#### Difference between sampling described in the report and ESPS database

The team also encountered some significant differences in the sampling described in the report of the ESPS-2 and what was actually found in the ESPS-2 dataset. Nine of the 14 regions (Ziguinchor, Diourbel, Saint-Louis, Tambacounda, Louga, Fatick, Kolda, Kédougou, and Sédhiou) showed that more rural enumeration areas were included in the ESPS dataset than was shown in the ESPS-2 report with the most significant differences in the regions of the Saint-Louis and Tambacounda (Annex 4 for details). Since weights are calculated based on this sampling frame, the team suspects that there are issues with the weights which particularly affect Saint-Louis and Tambacounda for which significant differences in the percentage of the population living in urban and rural areas were found in the survey and census. Unfortunately, the team was not able to resolve these data and weighting issues and had to resort to a different solution of post-stratification (see section 4).

#### Resulting modifications of the data

As a result of the data challenges described above, the team had to make several corrections to the ESPS-2 dataset:

- i. The location code of two enumeration areas in the ESPS-2 had to be reassigned to a different region and department<sup>4</sup>.
- ii. Enumeration areas that were incorrectly specified as rural but should have been specified as urban were corrected in the ESPS-2 dataset. This of course would have had implications of comparing predicted regional poverty rates to incorrectly specified poverty rates. Therefore, the team decided to correct for the incorrectly specified enumeration areas<sup>5</sup> by assigning 65 EAs from rural to urban.

<sup>4</sup> Two EAs were changed from Diourbel to Tambacounda.

<sup>5</sup> A total of 65 enumeration areas across 8 regions had to be re-classified from rural to urban EAs. Of these 65 EAs, 7 were in Saint Louis, 19 in Tambacounda, 3 in Louga, 2 in Fatick, 9 in Kolda, 18 in Sédhiou and 7 in Kédougou.

As a result of the corrections in the dataset, regional poverty rates had to be re-estimated as different poverty lines are applied to urban and rural households. Regional poverty rates were then re-calculated and the new poverty rates (right panel of Table 4) are different from those published by ANSD and analyzed in the latest World Bank poverty assessment (left panel of Table 4).

Table 4. Poverty rates according to reassigning enumeration areas to correct regions

REGIONS	ORIGINAL ESTIMATES				CORRECTED ESTIMATES			
	Estimate	Std. Err.	[95% Conf. Interval]		Estimate	Std. Err.	[95% Conf. Interval]	
SENEGAL	<b>0.467</b>	0.011	0.445	0.490	<b>0.474</b>	0.011	0.451	0.496
DAKAR	<b>0.261</b>	0.028	0.206	0.316	<b>0.261</b>	0.028	0.206	0.316
ZIGUINCHOR	<b>0.668</b>	0.037	0.596	0.741	<b>0.668</b>	0.037	0.596	0.741
DIOURBEL	<b>0.478</b>	0.049	0.383	0.574	<b>0.478</b>	0.049	0.383	0.574
SAINT-LOUIS	<b>0.395</b>	0.032	0.333	0.457	<b>0.368</b>	0.024	0.322	0.415
TAMBACOUNDA	<b>0.625</b>	0.029	0.569	0.681	<b>0.682</b>	0.021	0.641	0.722
KAOLACK	<b>0.617</b>	0.038	0.543	0.691	<b>0.617</b>	0.038	0.543	0.691
THIÈS	<b>0.413</b>	0.032	0.351	0.475	<b>0.413</b>	0.032	0.351	0.475
LOUGA	<b>0.268</b>	0.033	0.204	0.333	<b>0.268</b>	0.033	0.204	0.333
FATICK	<b>0.678</b>	0.033	0.613	0.744	<b>0.682</b>	0.033	0.617	0.747
KOLDA	<b>0.766</b>	0.025	0.717	0.815	<b>0.784</b>	0.024	0.737	0.832
MATAM	<b>0.452</b>	0.042	0.369	0.536	<b>0.452</b>	0.042	0.369	0.536
KAFFRINE	<b>0.638</b>	0.041	0.558	0.717	<b>0.638</b>	0.041	0.558	0.717
KÉDOUGOU	<b>0.713</b>	0.035	0.645	0.782	<b>0.713</b>	0.035	0.645	0.782
SÉDHIOU	<b>0.683</b>	0.035	0.615	0.751	<b>0.704</b>	0.034	0.637	0.772

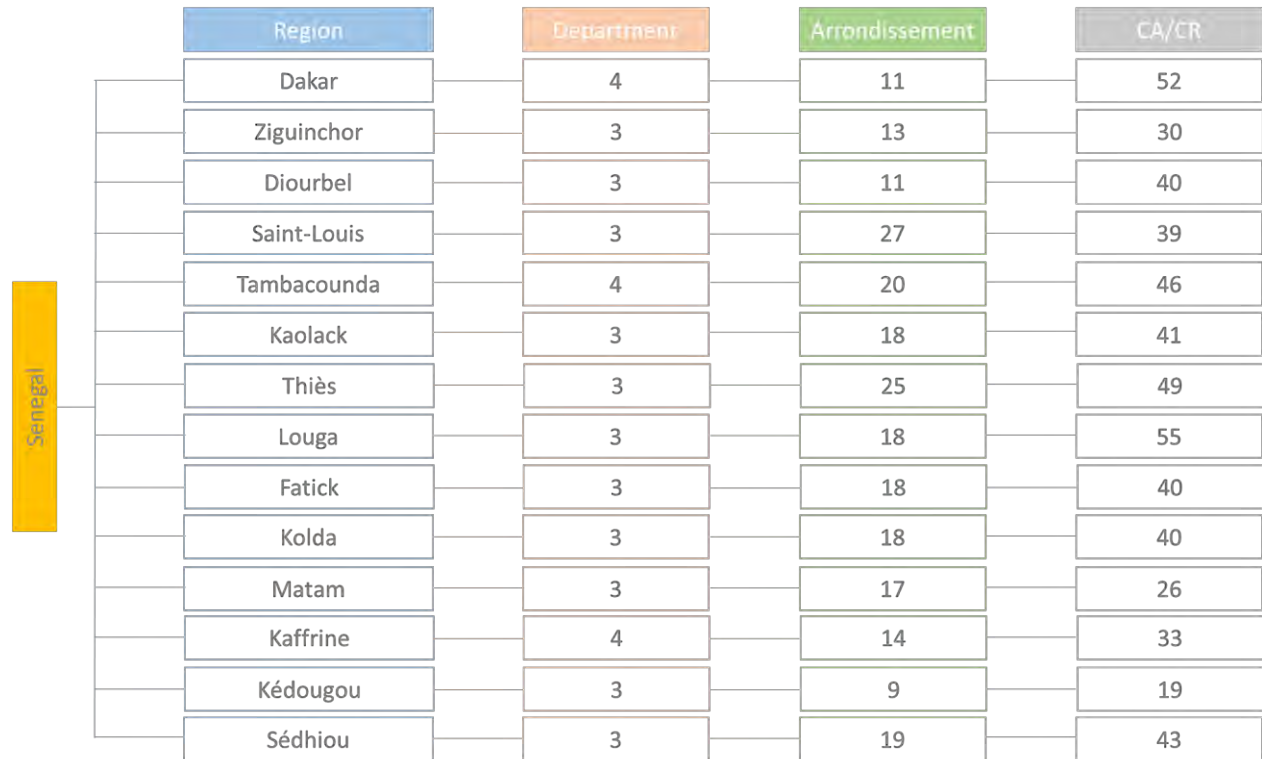
Source: Authors' estimates based on ESPS-2.

## Administrative structure

At the highest administrative level, Senegal is divided into 14 regions, each of which is divided into 1 to 4 départements. The second highest level départements are further split into either a commune (rural or urban area), arrondissement (rural area) or a ville (urban area) and are referred to in this report as arrondissements. The third administrative level are further divided, from arrondissements to CRs (commune rural); from villes to CAs (commune arrondissement) and are referred to in this report as communes or CA/CR; **but communes are not further divided into a fourth administrative level** (

Figure 2). The fifth administrative level is a division into districts (enumeration areas).

Figure 2. Administrative Structure of Senegal



Region	Department	Arrondissement	CA/CR
Dakar	4	11	52
Ziguinchor	3	13	30
Diourbel	3	11	40
Saint-Louis	3	27	39
Tambacounda	4	20	46
Kaolack	3	18	41
Thiès	3	25	49
Louga	3	18	55
Fatick	3	18	40
Kolda	3	18	40
Matam	3	17	26
Kaffrine	4	14	33
Kédougou	3	9	19
Sédhiou	3	19	43

We made an effort to produce small-area estimates at a level of geographic disaggregation as detailed as possible in order to inform policy design and decision making at a sub-regional level. The poverty map for Senegal produces poverty rates at the administrative level of communes (CA/CR).

### Construction of common and comparable variables

As a first step in the poverty mapping exercise, survey and census questionnaires were screened for common variables. Due to the rich census questionnaire including many socio-economic and household characteristics variables, a breadth of variables could be utilized to construct the common set of candidate variables.

One challenge the team faced was that despite the seemingly similar nature of questions, there were large differences in answer categories for some of the variables, particularly for dwelling characteristics. Great care was taken to harmonize answer categories but some of the variables had to be removed nevertheless. For example, one important variable for which we encountered this issue was for the highest completed education of the household head. The questions in the survey and the census are quite different (Figure 3) and the flow in which follow-up questions on education are asked is different. Therefore, certain school types (i.e. Koranic schools) were included in one but not the other which posed problems of comparability.

Figure 3. Classification of highest level of completed education of household head

Survey	Census
<p><b>Level of education (continuous school years):</b>  None, infant school, preparatory course level (CP), primary school 1<sup>st</sup> year (CE1), primary school 2<sup>nd</sup> year (CE2), middle school 1<sup>st</sup> year (CM1), middle school 2<sup>nd</sup> year (CM2)  Secondary school 1<sup>st</sup> through 6<sup>th</sup> year, final year secondary, tertiary 1<sup>st</sup> through 5<sup>th</sup> year, tertiary 6<sup>th</sup> year or higher</p>	<p><b>Level of education (categories):</b>  Preschool  Elementary (from CI to CM2)  Middle (6<sup>th</sup> to 3<sup>rd</sup>)  Secondary (2<sup>nd</sup> to final year)  Tertiary (After high school diploma)</p>

Source: Based on ESPS-2 and RGPFAE 2013.

After constructing common variables, means of the survey and the census were compared. The table in Annex 1 presents the mean, standard deviation and 95 confidence interval between the census and the survey datasets. As the census enumeration was conducted two years after the survey, one would expect slight deviations in time-variant variables but not in those variables that do not change much with time. Yet, we find that for a number of variables the census mean does not lie within the 95 percent confidence interval of the survey, i.e. they are statistically different. One potential explanation for this is at time lapse of two years between the census and the survey. If over the span of this period, the Senegalese population became better off in terms of some of indicators such as the material of their walls, toilet facilities, or the educational attainment of the household head, then this could be a reasonable explanation. On the other hand, the difference could stem from misrepresentation of the population in the survey or from the fact that many of the questions were not asked the same way or with the same response categories which in turn could alter the responses and means. This led to the exclusion of several important variables for some of the regions. For example, the variables household size and the percentage of the population living in urban and rural areas, showed large differences in the means for some regions (Table 5).

Table 5. Mean comparison of household size in the survey and census by region

Region	Mean ESPS	s.e.	ci95_lo	ci95_up	Mean RGPFAE	Similar
Dakar	7.3	0.282	6.8	7.9	6.3	0
Ziguinchor	7.4	0.447	6.5	8.3	7.1	1
Diourbel	10.8	0.482	9.8	11.7	9.3	0
Saint-Louis	9.4	0.315	8.8	10.1	8.1	0
Tambacounda	10.0	0.375	9.3	10.8	9.4	1
Kaolack	10.1	0.414	9.3	10.9	9.8	1
Thiès	10.4	0.411	9.6	11.2	9.1	0
Louga	9.0	0.282	8.4	9.5	8.8	1
Fatick	9.9	0.422	9.1	10.8	9.7	1
Kolda	10.8	0.521	9.8	11.9	9.2	0
Matam	9.3	0.441	8.4	10.2	10.0	1
Kaffrine	10.8	0.387	10.0	11.5	10.2	1
Kédougou	8.9	0.375	8.2	9.6	7.5	0
Sédhiou	10.4	0.454	9.5	11.3	10.8	1

Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

For each of the models, variables were selected from the following pool of candidate variables common to the census and the survey:

**Characteristics of the household head:** Age, educational attainment, sex, marital status, literacy, nationality of household head.

**Household characteristics:** Urban/rural, household size, household is in agriculture, children-to-adult ratio, dependency ratio, number of orphans.

**Dwelling characteristics:** Type of housing, number of rooms, house ownership, wall material, roof material, floor material, lighting, source of cooking fuel, toilet facility, source of drinking water,

**Productive and durable assets:** Fan, air conditioning, TV, telephone (landline), mobile phone, computer, iron, cooker, water heater, sewing machine, fridge, freezer, generator, solar panel, bicycle, motor cycle, tractor, wagon, canoe, car/truck.

**Agricultural characteristics:** Land ownership, livestock ownership.

## 4. Modeling exercises

### Model selection

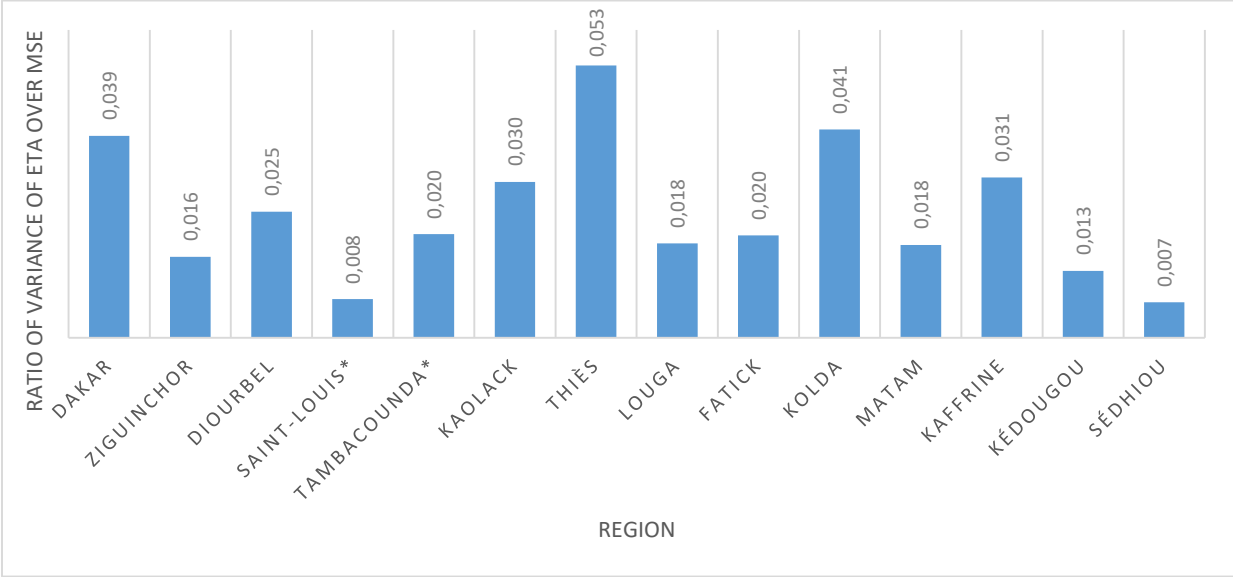
The level at which regression models are run must be chosen carefully. To select the right set of models, we undertook a step by step approach to find the right level of regional aggregation on which to build our predictions. Starting with the highest possible aggregation (national), we compared predicted to actual regional poverty rates and if the results were not satisfactory, we disaggregated until the predictions produced accurate results. First, a national model was created. The assumption of specifying one single model for the entire country is that consumption patterns and household characteristics are uniform for all regions of Senegal. This was clearly not the case in Senegal as there is large spatial heterogeneity and even though the national model yielded accurate predictions at the national level, regional poverty rates could not be captured. Second, three regional models were fitted, one for Dakar, one for other urban and one for all rural areas but the models were not flexible enough to capture the differences across all 14 regions. Third, we separated urban and rural areas and grouped regions into domains based on suggestions from ANSD on similarities across regions (11 models total). However, these models did not create satisfactory results and we therefore explored the option of running a separate model for each region which improved reliability and is the level of aggregation which we use for our final models.

The Senegal poverty map includes 14 different consumption models, each corresponding to a region. Fitting separate models by region allows the relationship between expenditure and the explanatory variable to vary and it reduces the standard error of poverty prediction due to the error in modeling for each region. As mentioned earlier, failure to capture regional differences in expenditure patterns could bias poverty predictions produced by the small-area estimation methodology as regional expenditure patterns can often vary substantially. For example, the educational attainment of household heads may be a good predictor of consumption patterns in urban areas but it may not be a good predictor in rural

areas where agricultural professions dominate. However, one concern with running multiple models is the risk of overfitting as models have to explain the noise in the data in sometimes small samples. To avoid this risk of overfitting, we would ideally like to stay with sample sizes that are at least 300 observations (Ahmed et al., 2014). By this criterion, all but one region<sup>6</sup> in Senegal were feasible.

Comparability of census and survey variables is a strong requirement for the small-area estimation methodology. Therefore, using regional models allowed us to more precisely identify comparable variables between the census and the survey. Since means should be calculated at the level of geographical disaggregation at which the regression models are estimated, this allowed us to compare the means of variables for each of the 14 regions. Variables were only included if means of the census and survey in the specific region were comparable which provided an indicator of whether the variables in the survey and the census are capturing the same thing.

Figure 4. Contribution of location-level residuals



Source: Authors’ estimates based on ESPS-2 and RGPHAE 2013.

Consumption models cannot capture all the variation in consumption expenditures and the unexplained variation is accounted for by two sources of errors (as discussed in the section two on methodology), the location-specific and household-specific component. Since residual location-specific effects can reduce the precision of poverty and estimates, it is recommend to apply great effort to capture variation in consumption patterns by observables as much as possible<sup>7</sup>. To reduce the share of the variance of the location-specific effect, area-level averages (at the level of the enumeration area, CA/CR, and arrondissement) were constructed and merged with the survey data. Area-level means improve the

<sup>6</sup> Kédougou only has a sample size of 286.

<sup>7</sup>A rule of thumb is to reduce the share of the variance of the cluster effect to the total variance of residuals to 10 percent or less (World Bank, 2009).

precision of the predictions by capturing the differences in household standard of living due to location characteristics.

In order to include location-specific effects, locations-specific variables were selected for inclusion in the model based on the methodology outlined in the PovMap User Guide Version 2.5 (Elbers et al., forthcoming). This methodology ensures that the number of location-specific variables is not too large and to only select those variables that remove the intra-cluster correlation in the residuals of the model as much as possible. This has proved to be successful in the case of Senegal, reducing the variance of location-specific effects constitutes less than 5percent of the total variance for all of the models<sup>8</sup> (**Erreur ! Source du renvoi introuvable.**).

In addition to including location-specific effects, a series of interaction terms and higher order terms with the household-level variables of the survey data were constructed. For example, household size was squared, the urban/rural variable was interacted with household characteristics, etc.

### Explanatory power of consumption models

Despite potential heterogeneity across regions, increasing the number of models for poverty mapping does not necessarily improve the accuracy and stability of the models as the number of models decreases the sample size for the survey data in each model. To balance these competing demands of capturing regional heterogeneity and maintaining statistical performance, we decided to create a consumption model for each of the 14 regions in Senegal. **Erreur ! Source du renvoi introuvable.** contains R-squared and adjusted R-squared for each of the regional models indicating how well each of the models predicts the actual consumption expenditure pattern of households in the census. It is generally hoped that the models produce a regression specification for each region that results in an R squared of 0.5 or higher. However, this is often the case but not always. According to Elbers et al. (forthcoming), poverty mapping becomes quite unsuccessful if the R squared remains below 0.35. In the Senegal poverty models, R-squared and adjusted R-squared are generally high. Eleven out of 14 models record an adjusted R-squared of more than 45 percent and only three models record an adjusted R-squared of under than 45 but above 35 percent (**Erreur ! Source du renvoi introuvable.**).

A second, equally important criterion is the precision of parameter estimates of variables measured by the p-values. As a general rule, only variables with p-values of 0.05 or less are included in the model<sup>9</sup>. The number of variables included in the models vary from 8 to 14.

Annex 2 presents the results for each of the 14 GLS models. The variables that consistently feature as predictors of consumption expenditure are household size, asset ownership (such as a computer, refrigerator, and bicycle), and dwelling characteristics such as material of the roof, lighting or toilet facilities. This is consistent with intuition about correlates of poverty. Nevertheless, we would like to caution against interpreting the regression coefficients as causal estimates. It is important to stress that unlike general regression analysis, the purpose of these regression models are not to explain the causes

---

<sup>8</sup> With the exception of Thiès for which we have a variance of 5.3 percent

<sup>9</sup> With very few exceptions as can be seen in Annex 2.

of consumption patterns and obtain estimates on explanatory variables. It is clear that we will not be able to capture all variables that will accurately explain consumption patterns and some important variables may likely be omitted either because they are not available in both datasets or they are statistically incomparable. The key objective in our modeling exercise is not to obtain parameter estimates on regressors that can be readily interpreted and given economic meaning but rather to specify a model that will allow us to predict consumption to the best possible extent. We should therefore not seriously judge the quality of the model we are estimating by scrutinizing the parameter estimates on various regressions and invoking some general notion of whether or not these are “reasonable” based on experience with conventional economic models in other settings” (Elbers et al., forthcoming).

Table 6. R-square (R2) and adjusted R-square (adjR2)

<b>Region</b>	<b>Name</b>	<b>R2</b>	<b>adjR2</b>
<b>1</b>	Dakar	0.55	0.53
<b>2</b>	Ziguinchor	0.53	0.52
<b>3</b>	Diourbel	0.59	0.58
<b>4</b>	Saint-Louis	0.61	0.58
<b>5</b>	Tambacounda	0.59	0.58
<b>6</b>	Kaolack	0.66	0.65
<b>7</b>	Thiès	0.70	0.68
<b>8</b>	Louga	0.49	0.48
<b>9</b>	Fatick	0.49	0.47
<b>10</b>	Kolda	0.48	0.46
<b>11</b>	Matam	0.43	0.41
<b>12</b>	Kaffrine	0.40	0.38
<b>12</b>	Kédougou	0.59	0.57
<b>14</b>	Sédhiou	0.45	0.43

Source: Authors’ estimation based on ESPS-2 and RGPFAE 2013.

## Post-stratification

As described in the section on data challenges, we faced significant challenges in terms of the urban/rural split between the census and the survey data for 2 out of the 14 regions, namely Saint-Louis and Tambacounda. Despite much effort, these issues could not be resolved. One of the main assumptions of the small-area estimation is that the survey is representative of the census population and that comparable variables are statistically similar. However, we observe that for two regions, urban areas were over-stated in the survey compared to the census. In order to account for the underrepresented rural population in our survey sample, we applied the post-stratification method for the two regions in which we found these issues. We adjusted the sampling weights according to the “poststratification” option of the “svyset” command in Stata which adjusts the sampling weights so that they sum to the population sizes of the under-represented groups in the survey population. The results for these two regions should therefore be used with a lot of care.

## 5. Results

### Regional level predictions

Since ESPS-2 is representative at the regional level, we evaluate the accuracy of the models by comparing the regional level predictions with direct (revised based on data corrections) regional estimates from the ESPS-2. Direct and predicted poverty rates, confidence intervals of direct estimates, and standard errors of direct and predicted poverty rates are presented in Table 7. The projections are consistent with the ESPS-2 poverty rates and estimates for all regions fall well within the 95 percent confidence interval of the ESPS-2 mean. In addition, the largest absolute value of the z-score<sup>10</sup>, which measures the distance between the two means in the standard errors, is 1.031, well within the suggest threshold of |2|, indicating that both estimates represent the same poverty incidence (World Bank, 2013).

Table 7. Comparison of direct and predicted estimates

<i>Region</i>	<i>No. of households</i>		<i>Direct estimate (corrected)</i>				<i>PovMap2 estimate</i>		
	<b>ESPS</b>	<b>RGPHAE</b>	<b>FGT(0)</b>	<b>s.e.</b>	<b>95% CI</b>		<b>FGT(0)</b>	<b>s.e.</b>	<b>z-value</b>
<i>Dakar</i>	599	466,072	0.261	0.028	0.206	0.316	0.249	0.016	-0.369
<i>Ziguinchor</i>	386	72,244	0.668	0.037	0.596	0.741	0.667	0.027	-0.020
<i>Diourbel</i>	437	148,010	0.478	0.049	0.383	0.574	0.479	0.028	0.011
<i>Saint-Louis</i>	413	105,178	0.368	0.024	0.322	0.415	0.347	0.016	-0.713
<i>Tambacounda</i>	514	66,690	0.682	0.021	0.641	0.722	0.687	0.023	0.168
<i>Kaolack</i>	447	90,784	0.617	0.038	0.543	0.691	0.618	0.026	0.032
<i>Thiès</i>	449	185,951	0.413	0.032	0.351	0.475	0.413	0.023	-0.009
<i>Louga</i>	424	92,851	0.268	0.033	0.204	0.333	0.271	0.028	0.054
<i>Fatick</i>	402	69,448	0.682	0.033	0.617	0.747	0.682	0.021	0.000
<i>Kolda</i>	388	67,791	0.784	0.024	0.737	0.832	0.775	0.023	-0.271
<i>Matam</i>	359	51,669	0.452	0.042	0.369	0.536	0.455	0.023	0.059
<i>Kaffrine</i>	435	51,725	0.638	0.041	0.558	0.717	0.638	0.028	-0.004
<i>Kédougou</i>	286	18,328	0.713	0.035	0.645	0.782	0.665	0.031	-1.031
<i>Sédhiou</i>	413	39,146	0.704	0.034	0.637	0.772	0.706	0.021	0.038

Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

### National Poverty maps

#### Poverty rates

This section illustrates the results of the Senegal poverty map. The visual representation of the spatial distribution of poverty is important as a careful presentation of results allows readers to draw useful information from the maps. In general, poverty tends to increase from North to South, with the exception of Dakar. Factors such as the lack of market access and transportation connectivity seem to play a large role in the spatial dimension of poverty in Senegal's more-isolated Eastern and Southern regions.

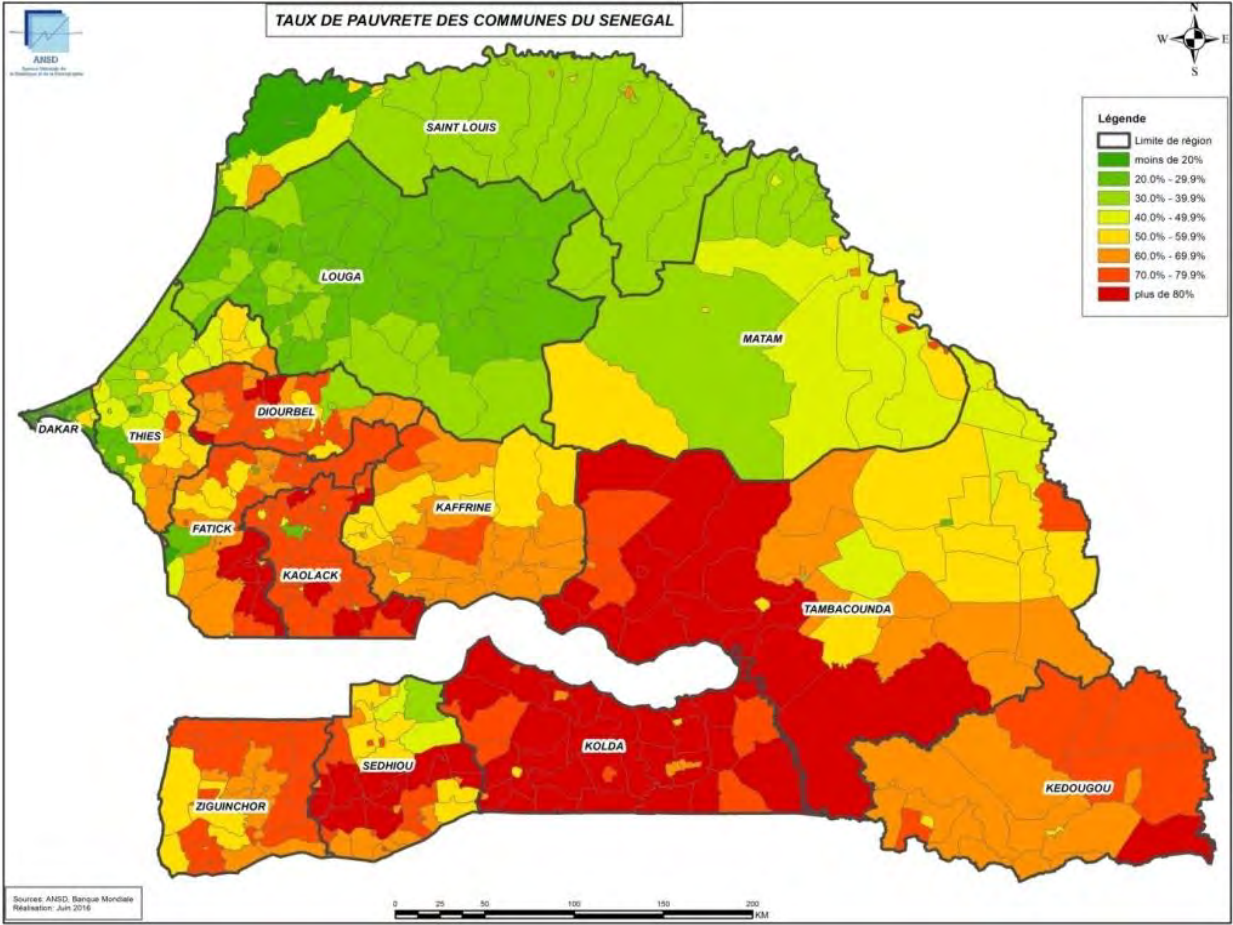
<sup>10</sup> The z-value is calculated as  $z = (FGT(0)_{census} - FGT(0)_{survey}) / \sqrt{(s.e. census^2 + s.e. survey^2)}$



border to Mauritania seem to be poorer than the rural areas of the region, a phenomenon that seems counter-intuitive. One theory is that despite the fact that urban and rural areas may have similar consumption patterns, a higher poverty line is applied in urban areas and therefore the threshold which decides whether a household is poor or non-poor is higher.

We can observe that some regions hold pockets of poverty as well as prosperity. For example, Dakar and neighboring communes as well as communes along the coast in the South of Dakar which hosts a vibrant tourism industry seem to be doing better. In Sédhiou, the communes bordering the Gambia to the North seem to be relatively well off compared to communes further South and Ziguinchor has lower poverty rates along the coast. Other pockets of prosperity are located along the coast in the region of Fatick as a result of tourism whereas the border regions to the Gambia tend to be poorer.

Map 2. Senegal Poverty Map, poverty rates at the CA/CR level



Source: Authors’ estimation based on ESPS-2 and RGPHAE 2013.

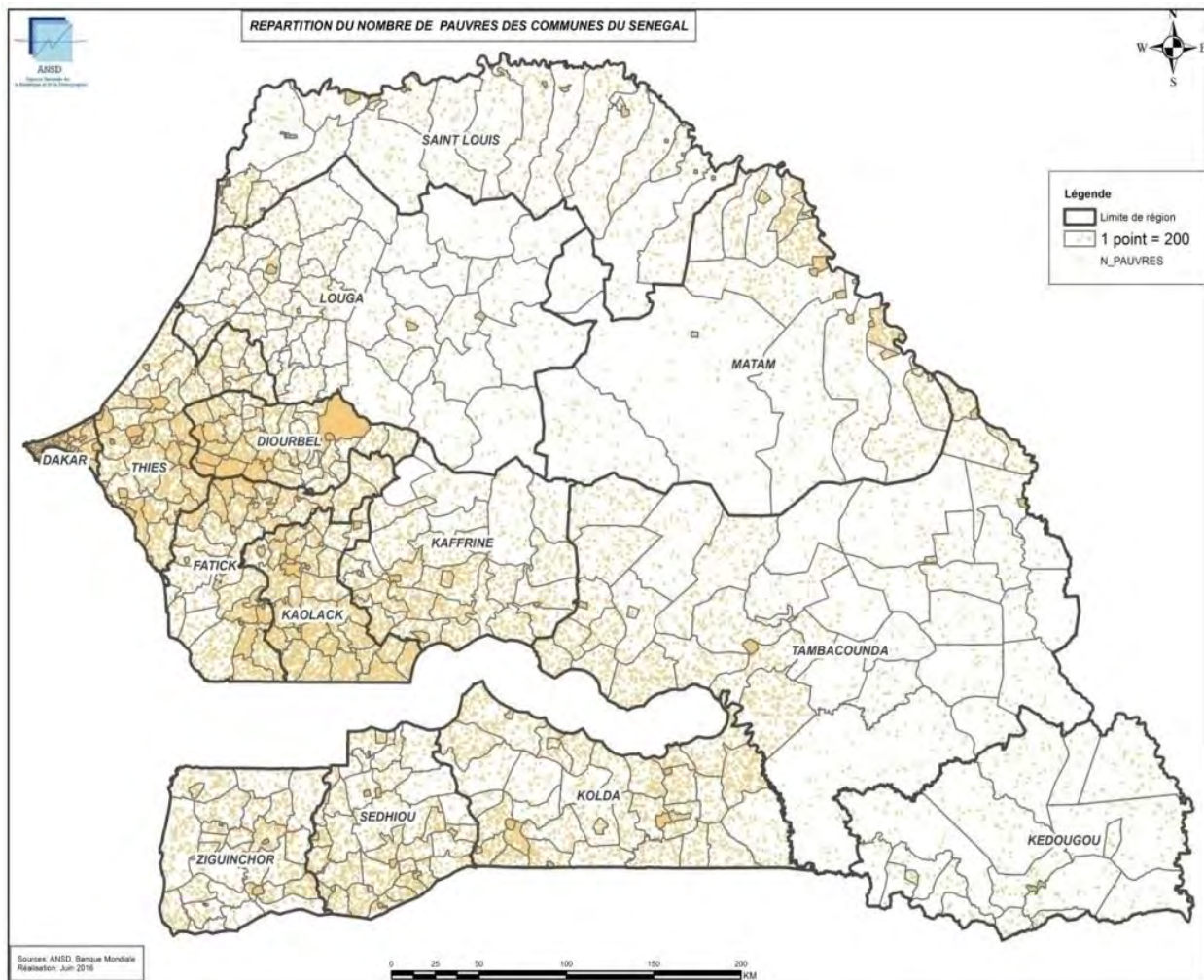
Number of poor

As an alternative to the poverty headcount rates, it is possible to visualize the spatial dimension of poverty by mapping out the number of poor. Areas with high poverty rates are typically areas that are marginalized and have been left out in the development process. Such areas are typically rural, sparsely populated and

remote. However, despite the fact that due to considerations of equity, attention is often on areas with the highest headcount rates, it is also viable to look at the number of people affected by poverty (World Bank, 2015a). Usually, despite low poverty rates, urban and semi-urban areas often host large numbers of poor which is illustrated in Map 3. This has important policy implications if the priority is placed on reducing poverty in areas with high concentrations of poor people.

We observe that the vast number of people is located in and around Dakar as well as Touba (in the Diourbel region), the second most populated city in Senegal. This indicates that despite the very low poverty rates in these locations, the absolute size of the poor population is relatively large. We can also see that many poor live in and around the border to the Gambia as well as in poverty pockets in the East of the country in the Matam region.

Map 3. Senegal Poverty Map, number of poor



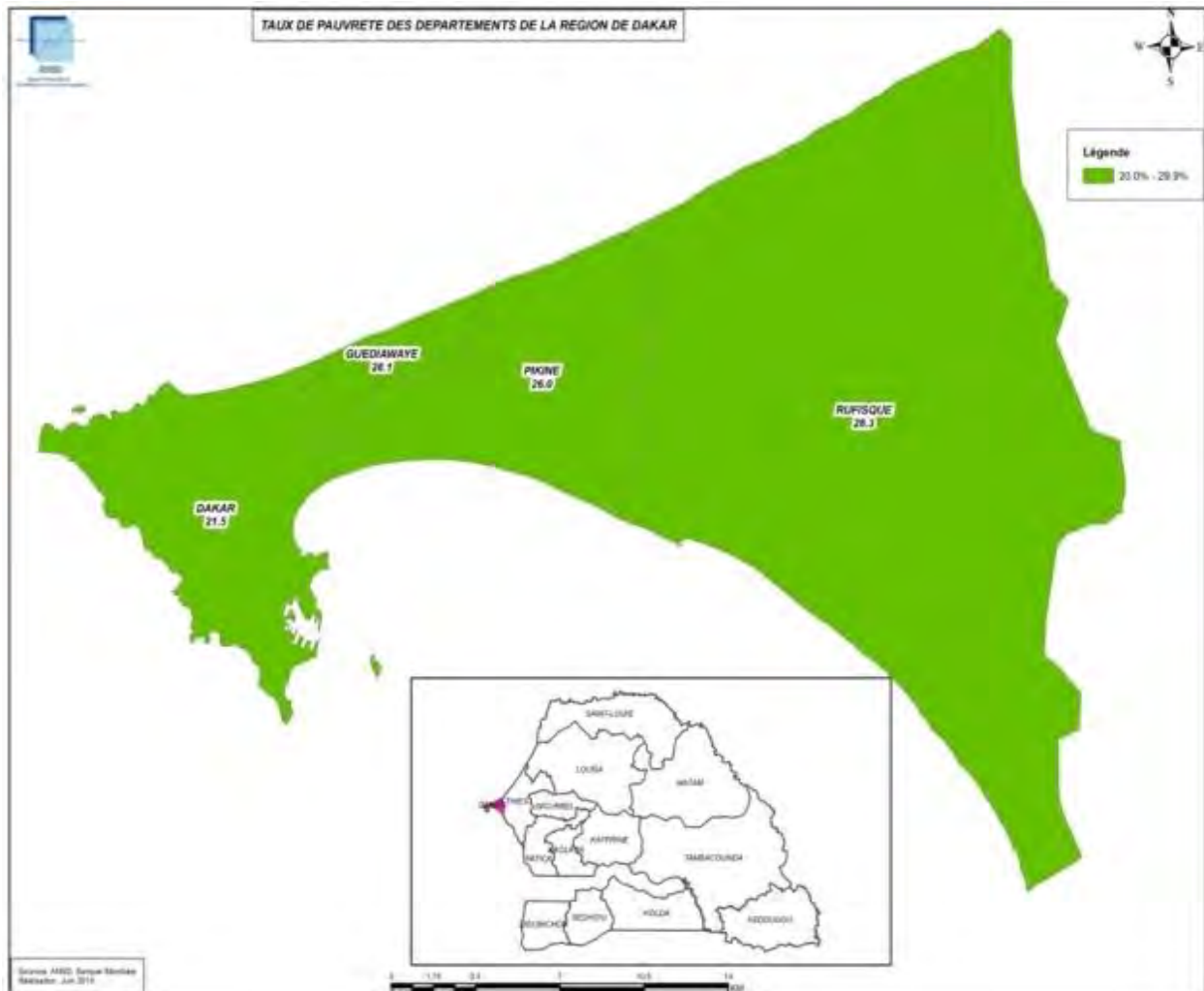
Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

## Regional Poverty maps

### Dakar

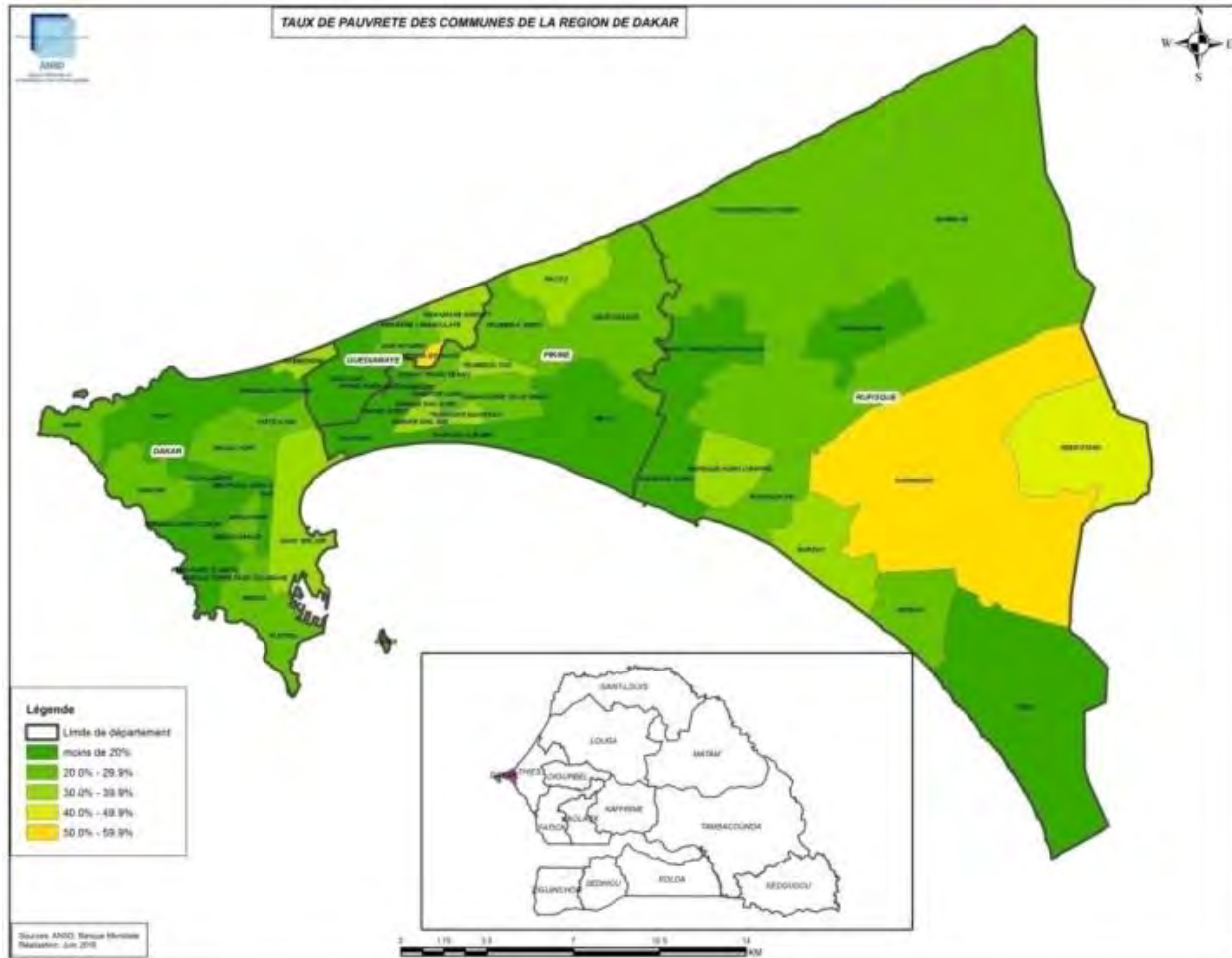
Dakar is Senegal's smallest governorate in terms of geographical area but it is also the most populous. The region alone accounts for one quarter of Senegal's population and 13.3 percent of Senegal's poor. Map 4 shows that the farther away one moves from the department of Dakar, and thus the economic center around the coast, the poorer the department becomes. Dakar's 52 communes (CA/CR) show stark differences in welfare levels (Map 5). The five least poor communes (Mermoz-Sacre Coeur, Sicap Liberte, HLM, Dieuppeul Derkle, and Fann Point E Amitie) have estimated rates of poverty between 7.3 and 12.7 percent or less. The two poorest communes (Diamniadio and Medina Gounass) on the other hand, have a very high poverty rate over 51 percent. The largest commune in terms of population, Keur Massar, with over 198,000 people, and an estimated poverty rate of 26.8 percent, alone accounts for over 53,000 poor persons, the second highest in Dakar.

Map 4. Dakar Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

Map 5. Dakar Poverty Map, poverty rates at the CA/CR level



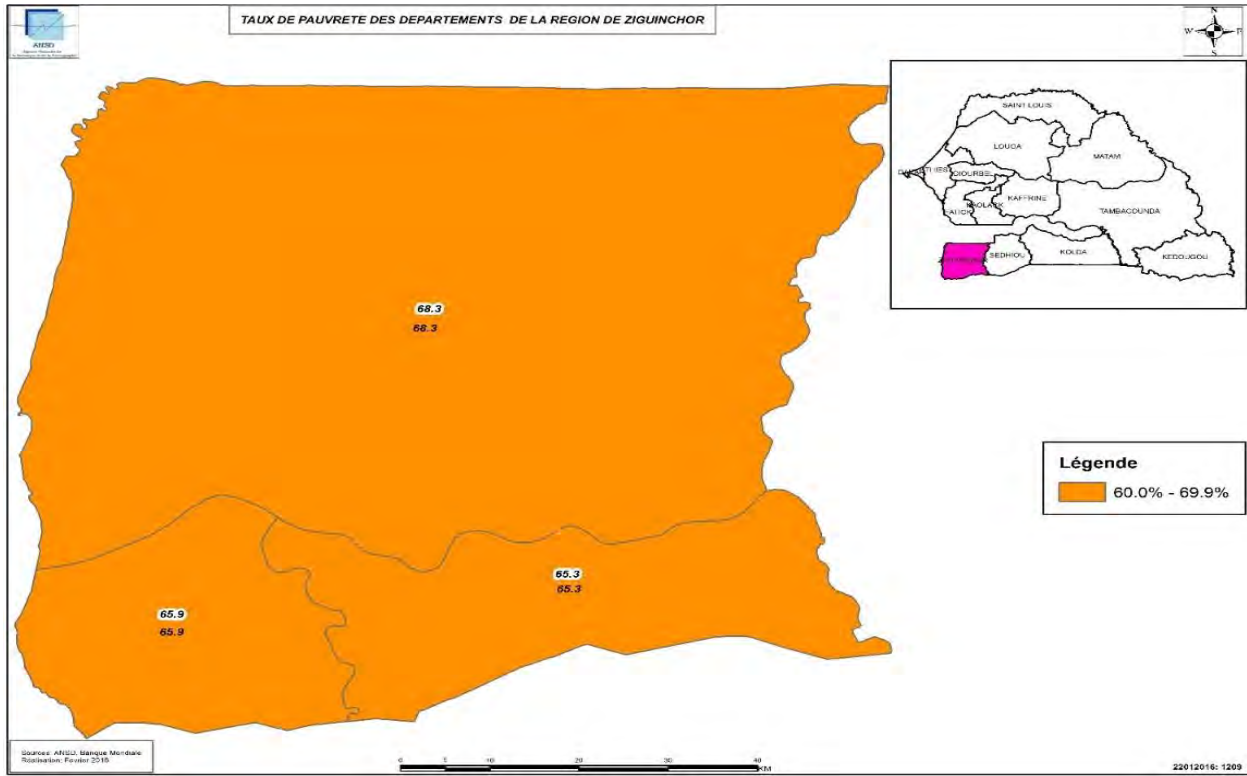
Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

## Ziguinchor

Ziguinchor, one of the three regions of the Casamance, is one of the smaller regions of Senegal holding a population of about 4.4 percent of Senegal's total population and shares borders with the Gambia in the North and Guinea-Bissau in the South. Poverty rates in the three départements are similar (

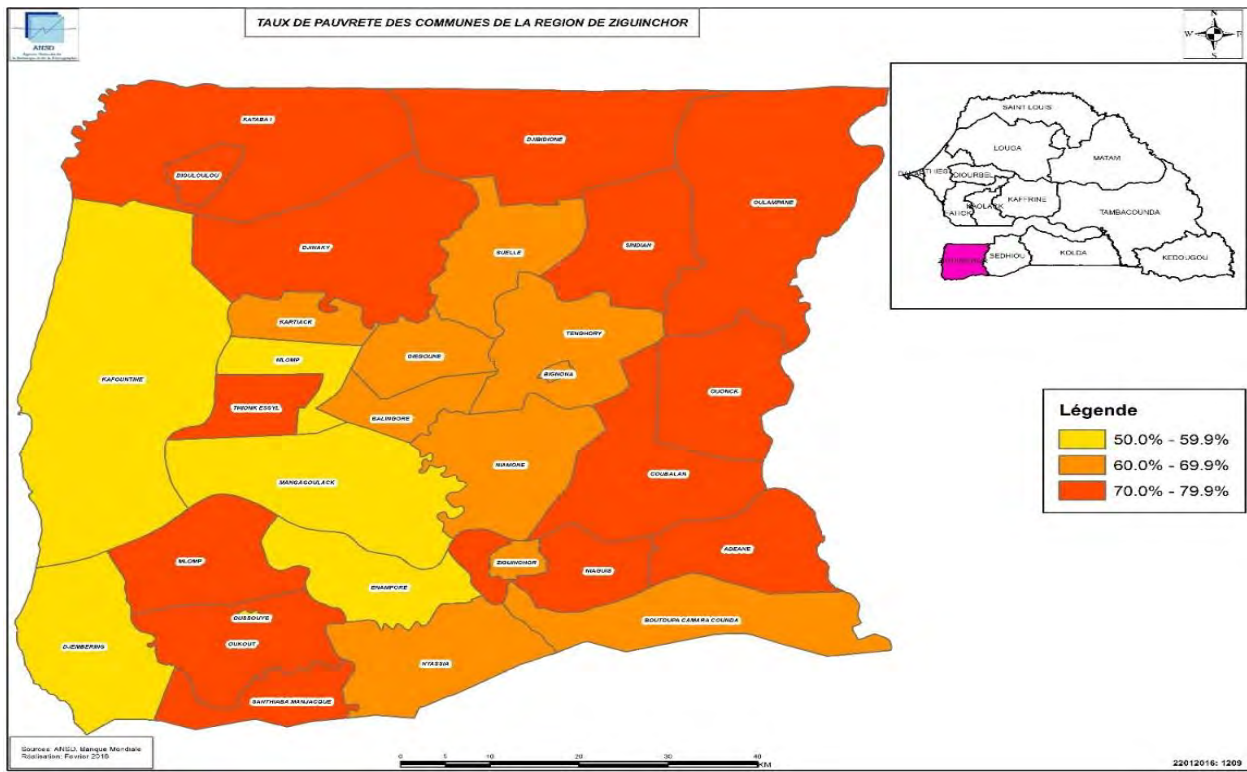
Map 6) at between 65.3 and 68.3 percent while they vary at the level of the commune (Map 7) from 50.5 percent in Enampore to 79.4 percent in Djibidione. Communes bordering Guineau-Bissau tend to be poorer than communes bordering the Gambia. Furthermore, the two communes along the coast — Kafountine and Djembering — are among the least poor in the region with poverty rates of 58.7 and 59.8 percent respectively. The five communes with the highest number of poor (Ziguinchor, Tenghory, Kafountine, Kataba I et Bignona) combined hold about 203,000 poor people, over half of the region's total number of poor.

Map 6. Ziguinchor Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

Map 7. Ziguinchor Poverty Map, poverty rates at the CA/CR level

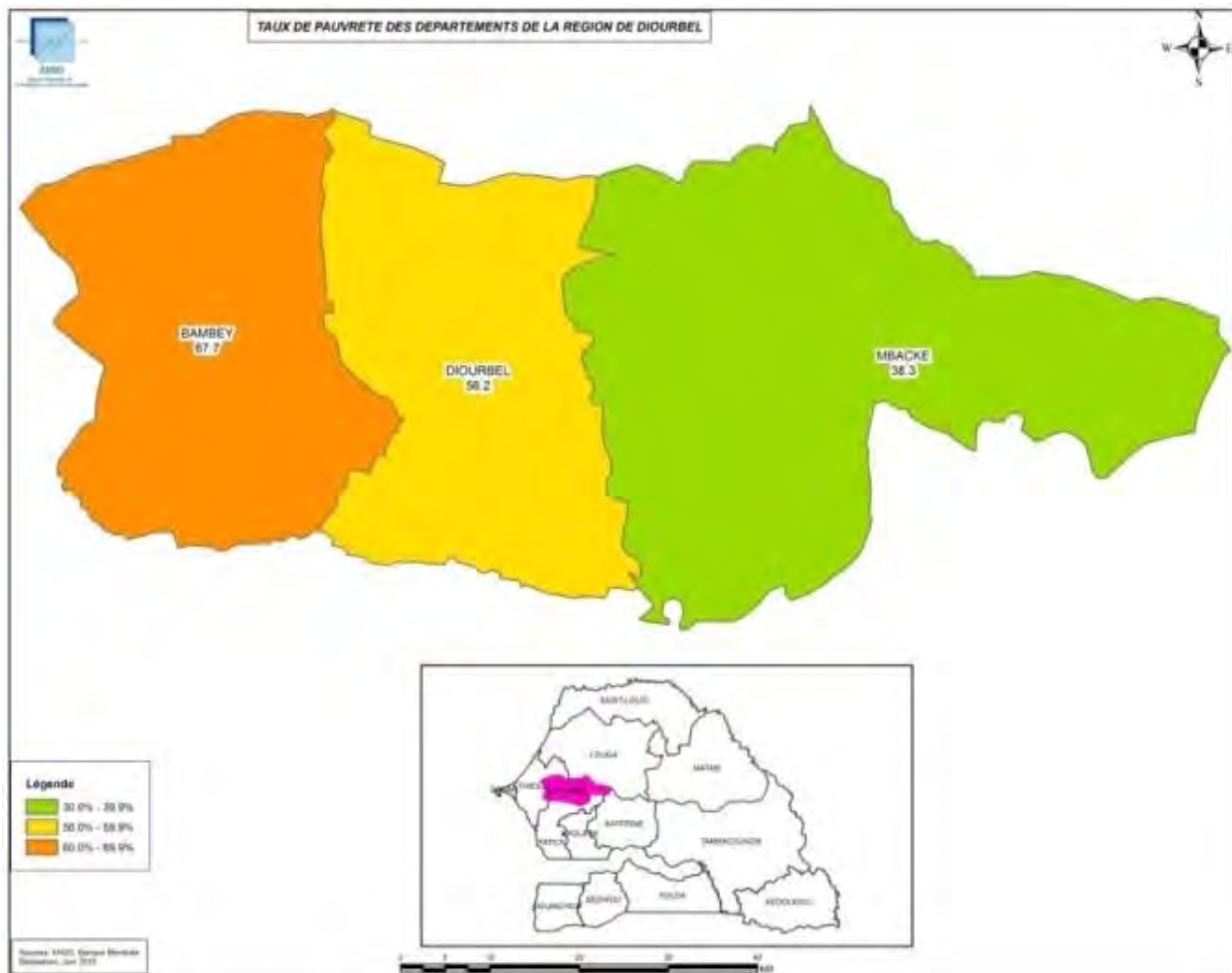


Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

## Diourbel

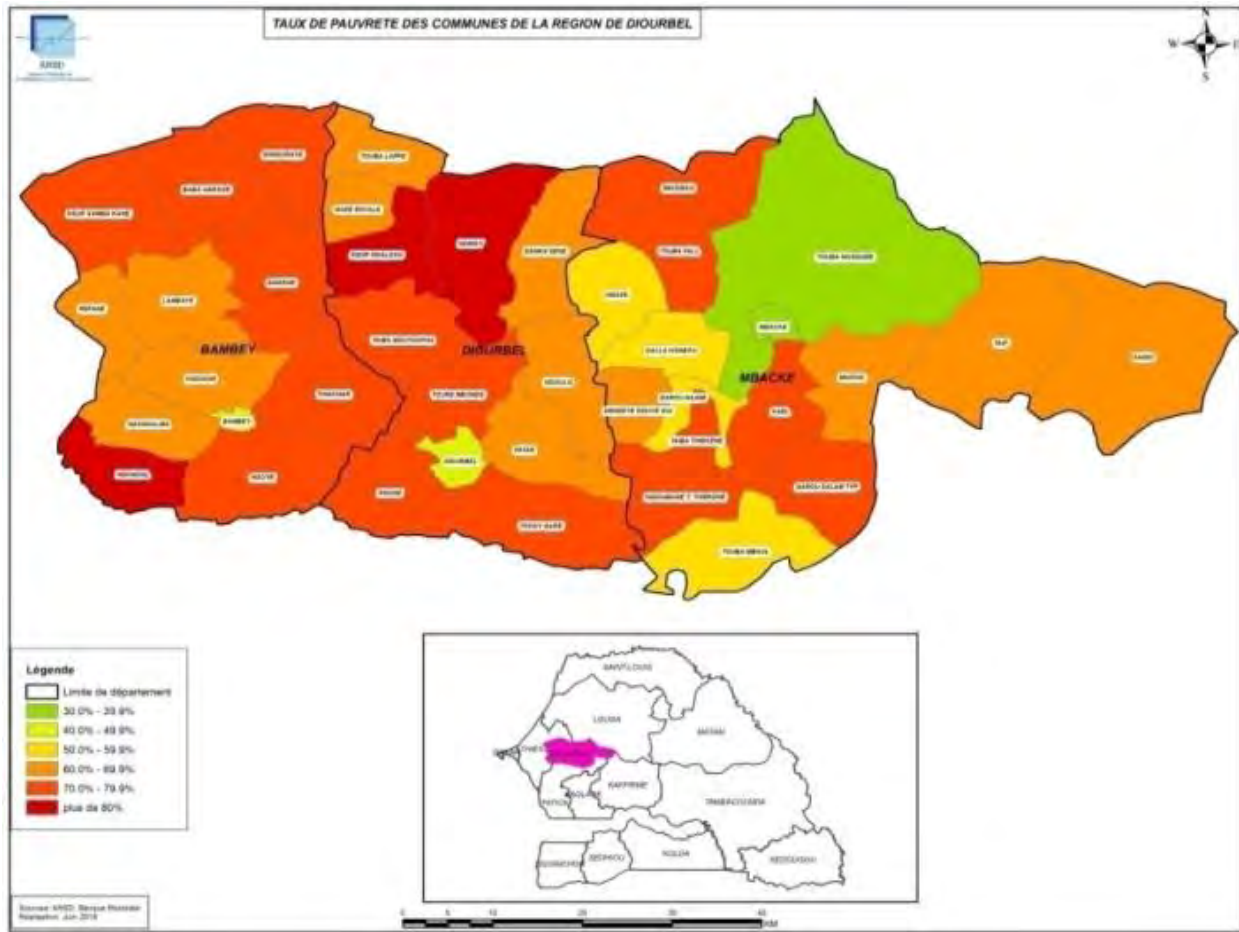
Diourbel is the third most populous region in Senegal with about 12 percent of Senegal's total population. With a relatively moderate regional poverty rate of 48.1 percent, Diourbel holds about 12 percent of Senegal's poor. Mbacké district holds the second most populated Senegalese city after Dakar, Touba, with a population of over 500,000 people. Poverty in Mbacké and the surrounding commune of Touba Mosquée is much lower than in the rest of Diourbel (Map 8) with poverty headcount rates of 35.0 and 36.1 percent respectively. The commune of Diourbel and Bambey are also islands of prosperity with poverty rates of 42.0 and 43.2 percent. Despite the fact that poverty in these four communes are the lowest in the region, they are among the communes with the highest number of poor due to their population size and the four communes alone hold almost 350,000 poor people. The two poorest communes of the region (Ndongol and Keur Ngalgou) have poverty rates of over 80 percent.

Map 8. Diourbel Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

Map 9. Diourbel Poverty Map, poverty rates at the CA/CR level

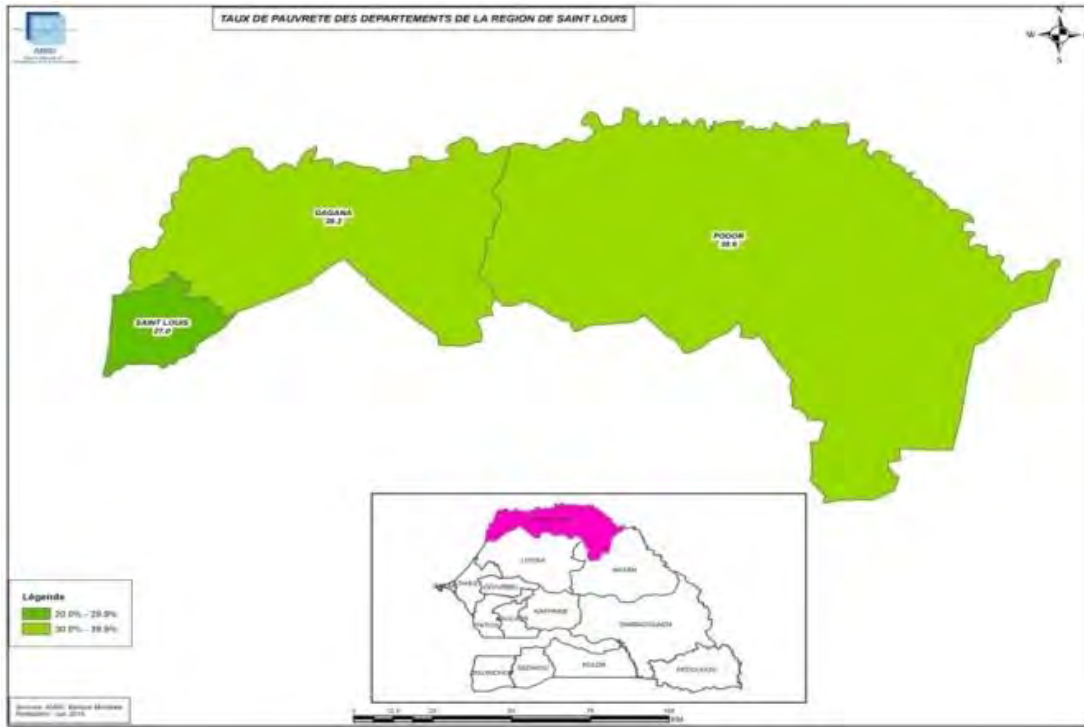


Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

### Saint-Louis

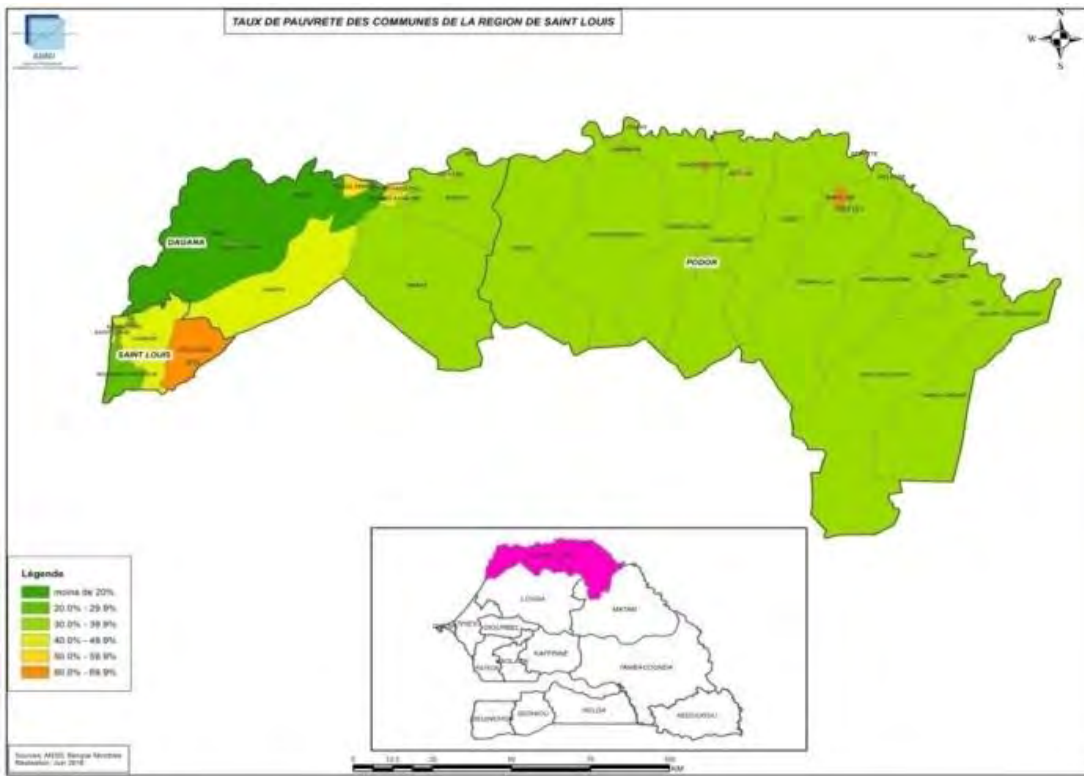
Saint-Louis is Senegal's region farthest North bordering Mauritania and has the third lowest predicted poverty rate of 34.7 percent. Due to its comparatively low poverty rate and small population, Saint-Louis is home to about 6.7 percent of Senegal's total population, the region only holds about 5 percent of Senegal's poor. The department Saint-Louis showing the lowest poverty rate of under 30 percent (Map 10). Despite the low regional poverty rate, Saint-Louis shows great heterogeneity in the spatial distribution of poverty rates (Map 11). Poverty rates at the commune level range from under 16 percent (Diama) to over 64 percent (Bode Lao). Furthermore, 9 of 38 communes have poverty rates of over 50 percent and a similar phenomenon as in Matam can be observed, some of the urban communes located in the North of the region (i.e. Guede Chantier, Niandane, Bode Lao, Gollere, etc.) show much higher poverty rates than rural communes. In the case of Saint-Louis, this could be a result of the data challenges concerning the classification of urban and rural and results have to be interpreted with great care. The five communes with the highest number of poor alone (Saint Louis, Richard-Roll, Gandon, Guede Village, and Dodel) host to almost 40 percent of the region's poor population.

Map 10. Saint-Louis Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

Map 11. Saint-Louis Poverty Map, poverty rates at the CA/CR level



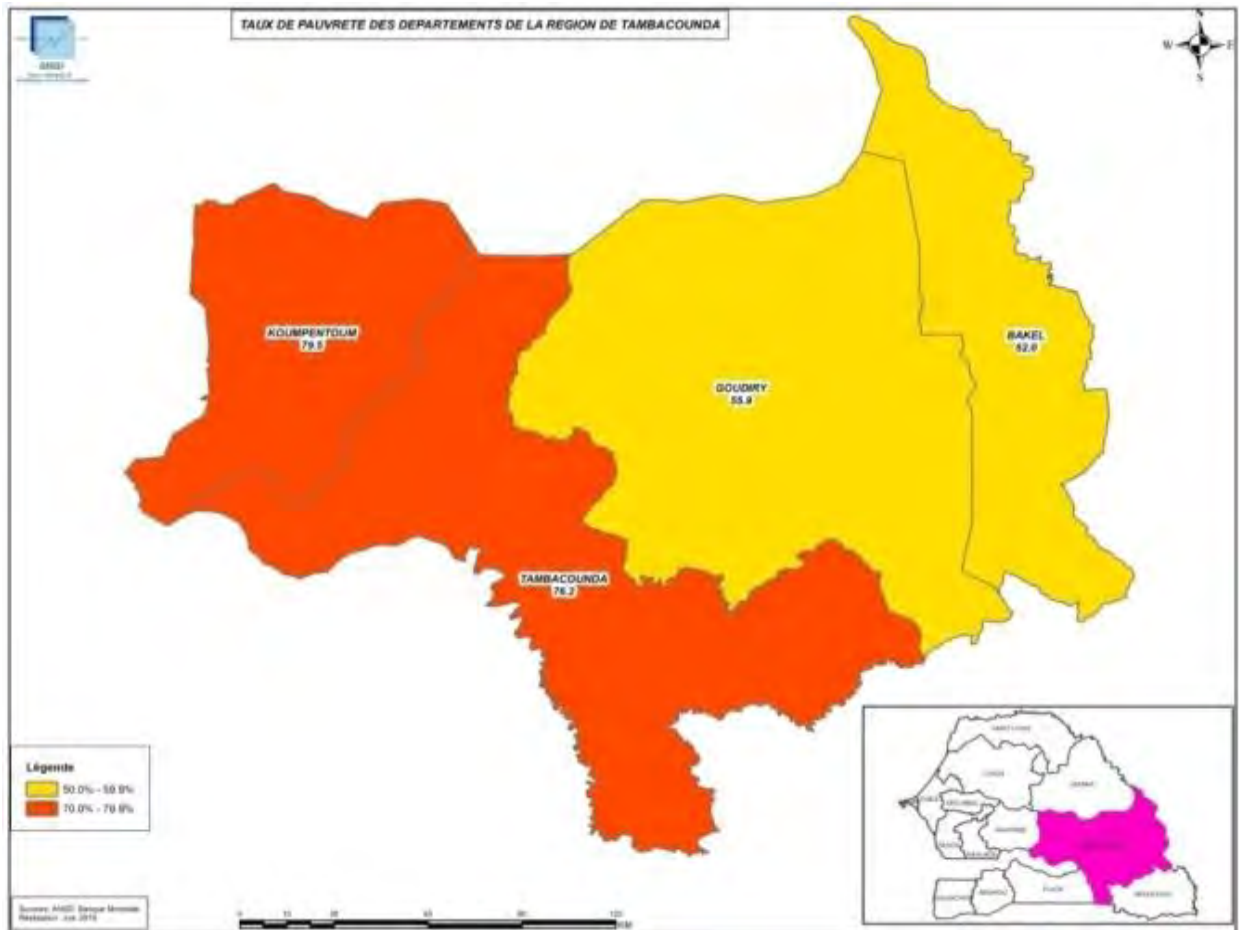
Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

## Tambacounda

Tambacounda is Senegal's largest region in terms of geographic area and shares a border with Mauritania and Mali to the East, the Gambia in the West, and Guinea-Bissau in the South. Despite its size, Tambacounda is sparsely populated and holds about 5.3 percent of Senegal's population. It is the region with the biggest differences in poverty headcount rates, ranging from 23.9 percent in Goudiry to 92.3 percent in Ndogo Babacar. The departments located in the West of the region (Map 12) have the highest poverty rates, with particularly high rates communes bordering the Gambia (Map 13), all of which have poverty rates of over 80 percent. However, these areas are also sparsely populated.

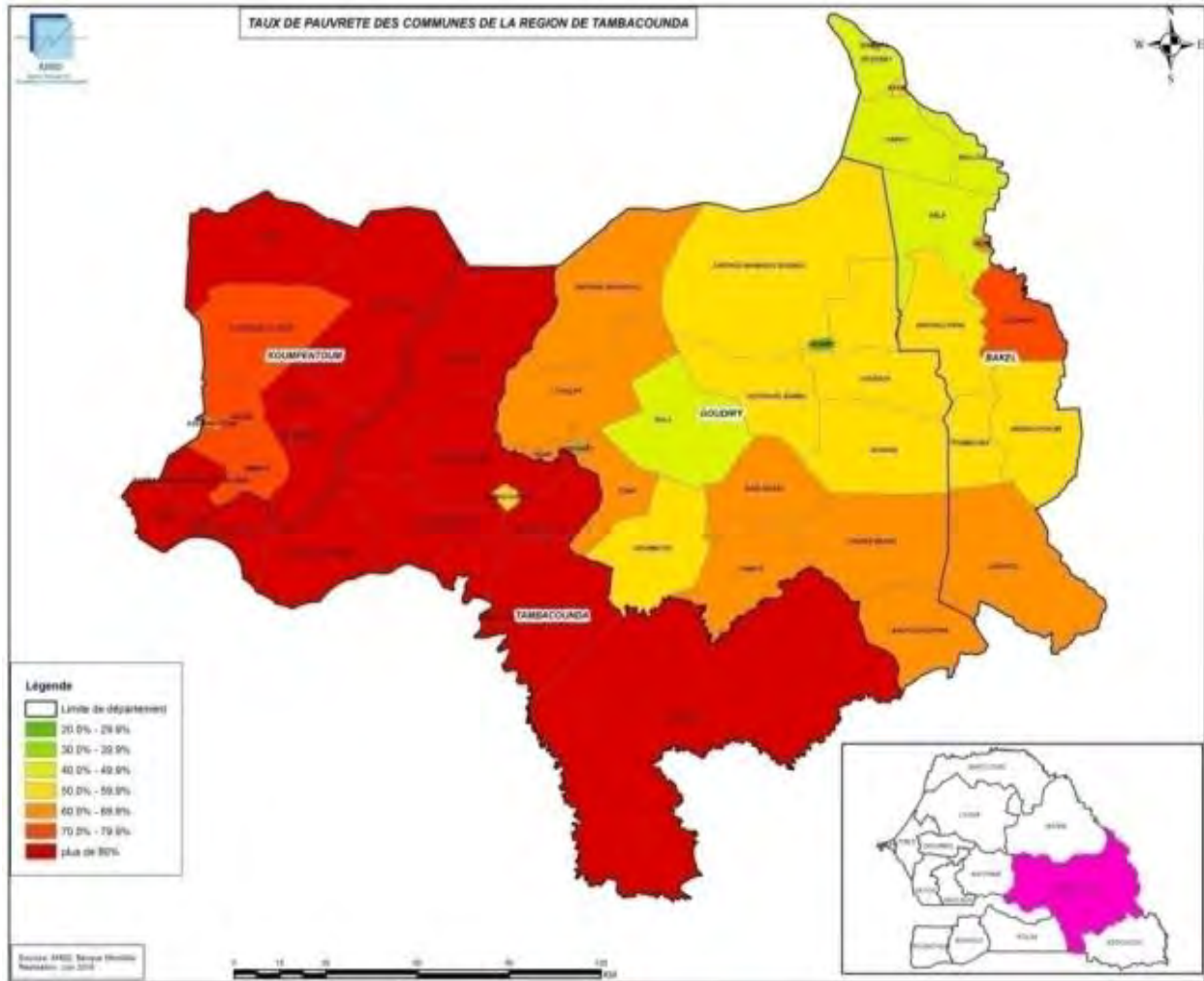
The largest number of poor can be found in five communes — Tambacounda, Missirah, Makacoulibantang, Koussanar, and Ndogo Babacar — with a combined number of poor of almost 165,300. The geographically largest commune in the region of Tambacounda, Dialacoto, is also one of the poorest with a poverty rate of over 80 percent and a population of 14,000 people. However, communes located alongside the border to Mauritania seem to flourish and have much lower poverty rates than the rest of the region. Moudéry and Ballou for example have poverty rates of 43.0 and 47.9 percent respectively, rates that are among the lowest in the country.

Map 12. Tambacounda Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

Map 13. Tambacounda Poverty Map, poverty rates at the CA/CR level

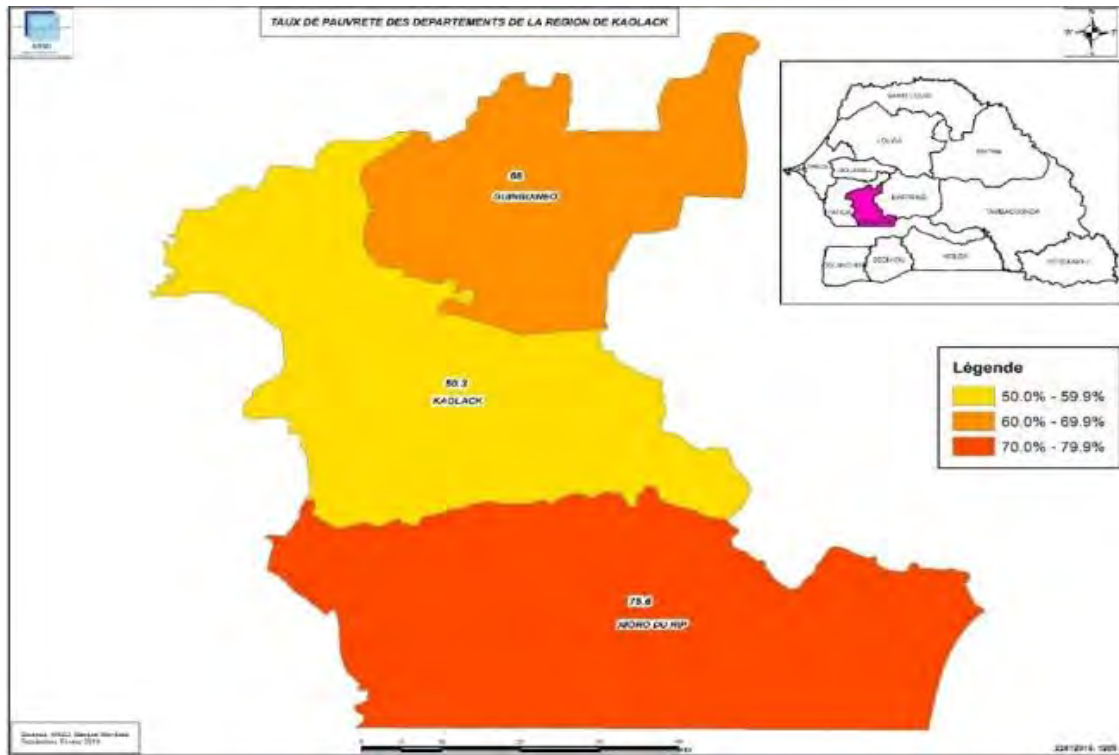


Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

## Kaolack

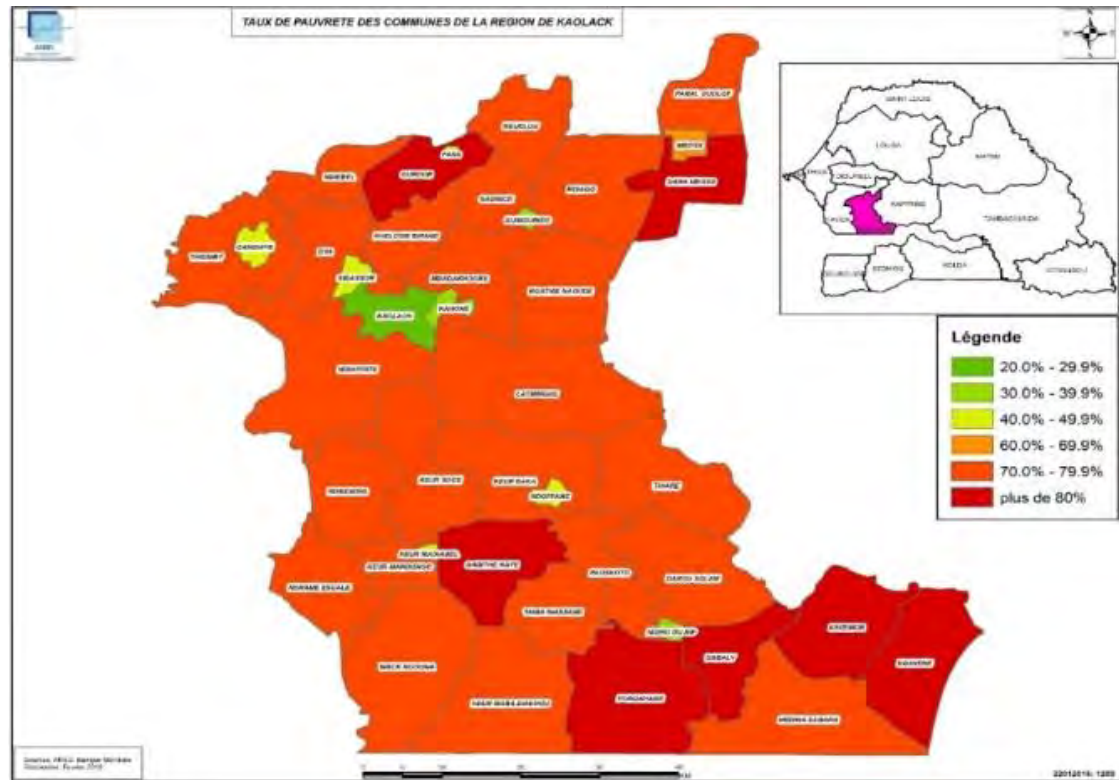
The region of Kaolack holds just under 1 million people and is bordered by the region of Fatick in the West, the region of Kaffrine in the East and the Gambia in the South. Due to its size and relatively high predicted poverty rate of 61.8 percent, Kaolack holds 10 percent of Senegal's poor population but poverty rates vary drastically according to location. The urban centers of Kaolack have very low poverty rates of around 30 to 50 percent (for example, Kaolack, Guinguineo, Ndoffane, Keur Madiabel, Nioro du Rip, etc.) while rural locations have much higher levels of poverty of around 80 percent or higher. The highest poverty rates can be found in the Southeast of the region. The two most populous communes of the region Kaolack (225,602) and Medina Sabakh (41,774) with poverty rates of 29.6 and 75.8 percent hold about 66,700 and 31,700 poor people.

Map 14. Kaolack Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHE 2013.

Map 15. Kaolack Poverty Map, poverty rates at the CA/CR level



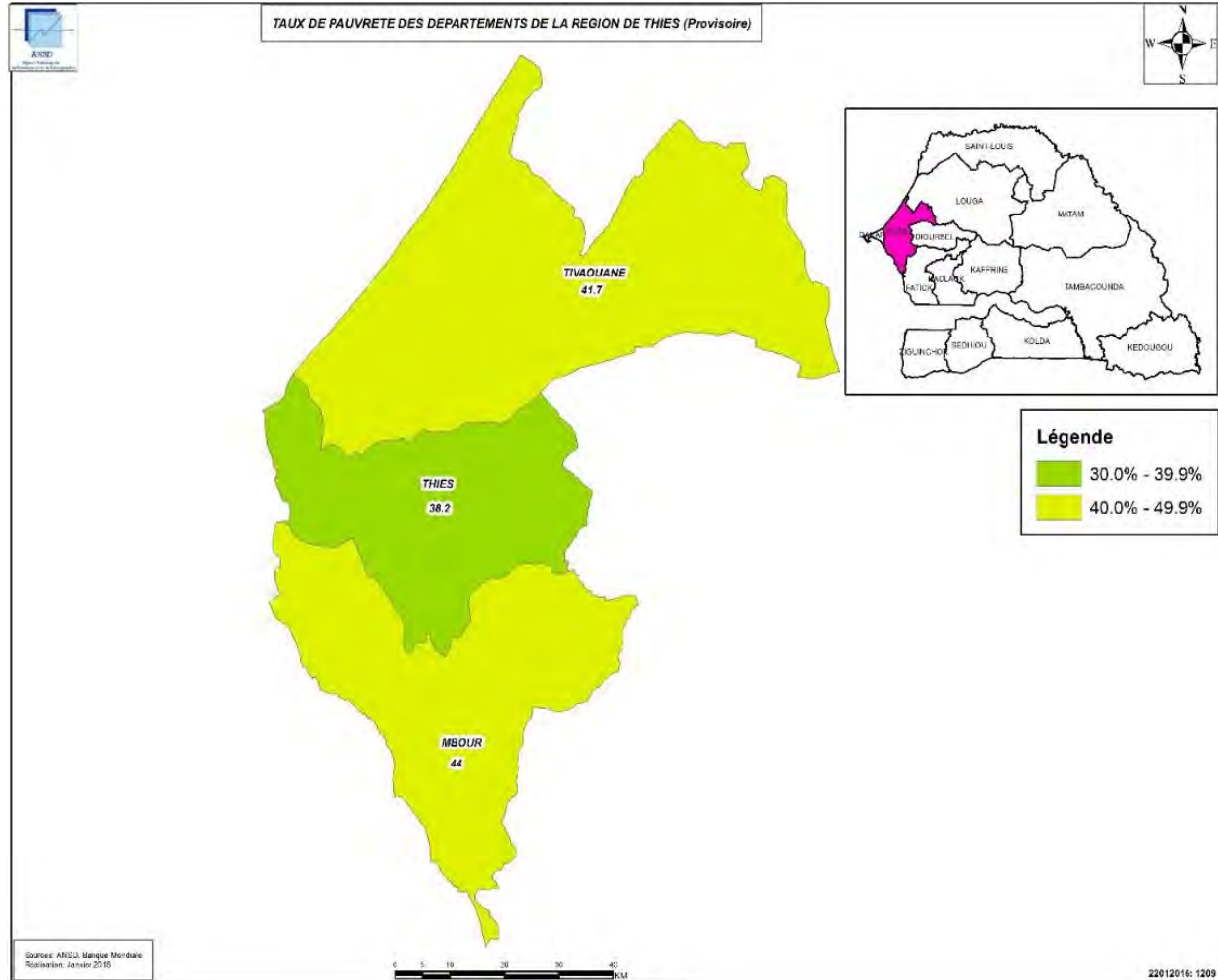
Source: Authors' estimation based on ESPS-2 and RGPHE 2013.

## Thiès

The region of Thiès is located just East of Dakar and the only region that borders the capital region. Overall, poverty rates in the region are low (41.3 percent) with the lowest poverty rates in the communes close to the region of Dakar and the coastal areas and its tourism industry (

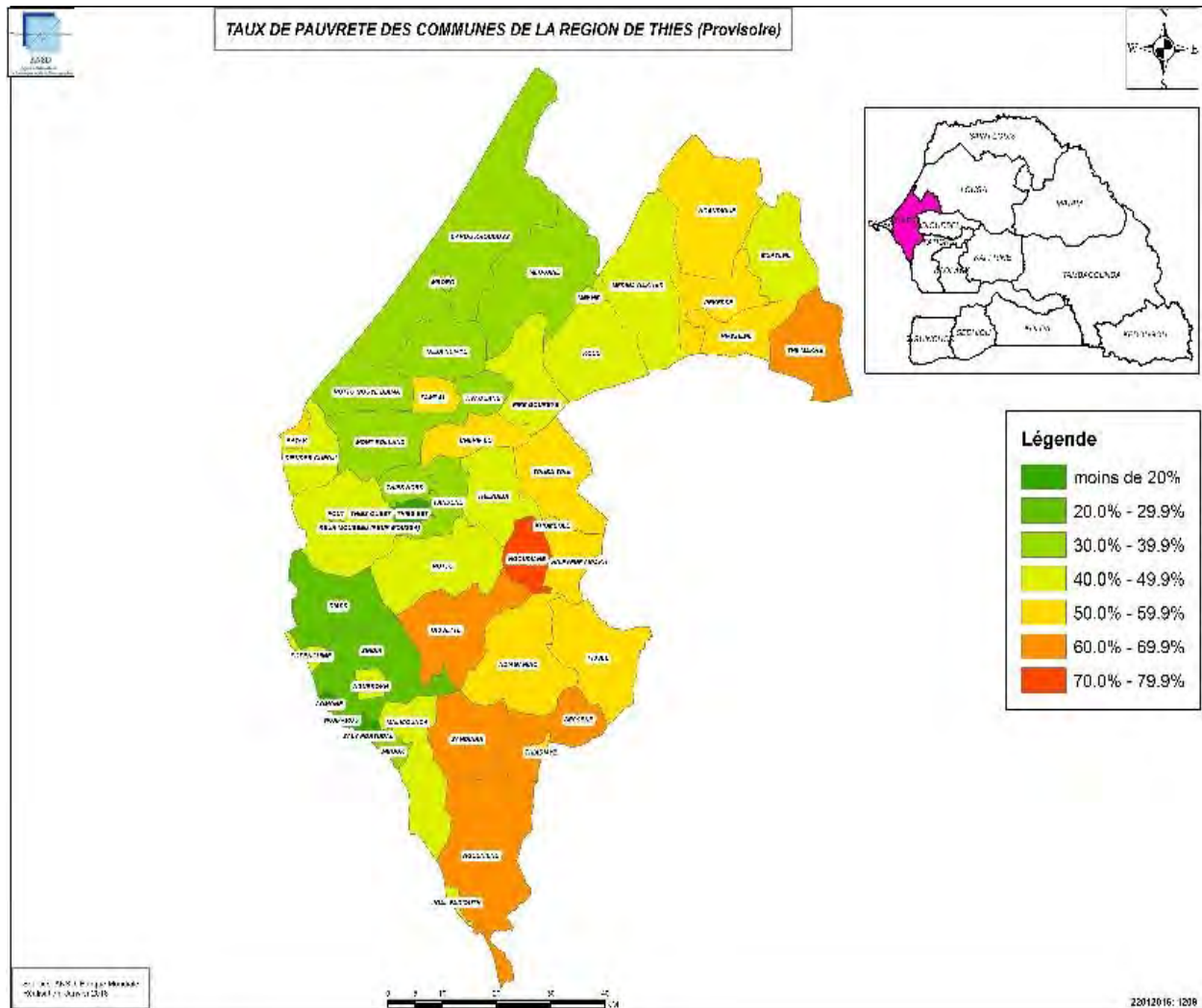
Map 17 (Erreur ! Source du renvoi introuvable.). Twenty nine of the 49 communes have poverty rates below the national average. The three most populous communes (Mbour, Thies Ouest, and Thies Nord) with a combined population of almost 459,000, hold 21.3 percent of the region’s poor people, about 155,000 people. Pockets of poverty can be found in the commune of Ngoudiane with a poverty rate of 70.2 percent, as well as in the Southern communes of the region with poverty rates between 65 and 70 percent. Due to the lower poverty incidence, Thiès accounts for 12 percent of the poor in Senegal even though it is home to 14.3 percent of the population.

Map 16. Thiès Poverty Map, poverty rates at the department level



Source: Authors’ estimation based on ESPS-2 and RGPHAE 2013.

Map 17. Thiès Poverty Map, poverty rates at the CA/CR level

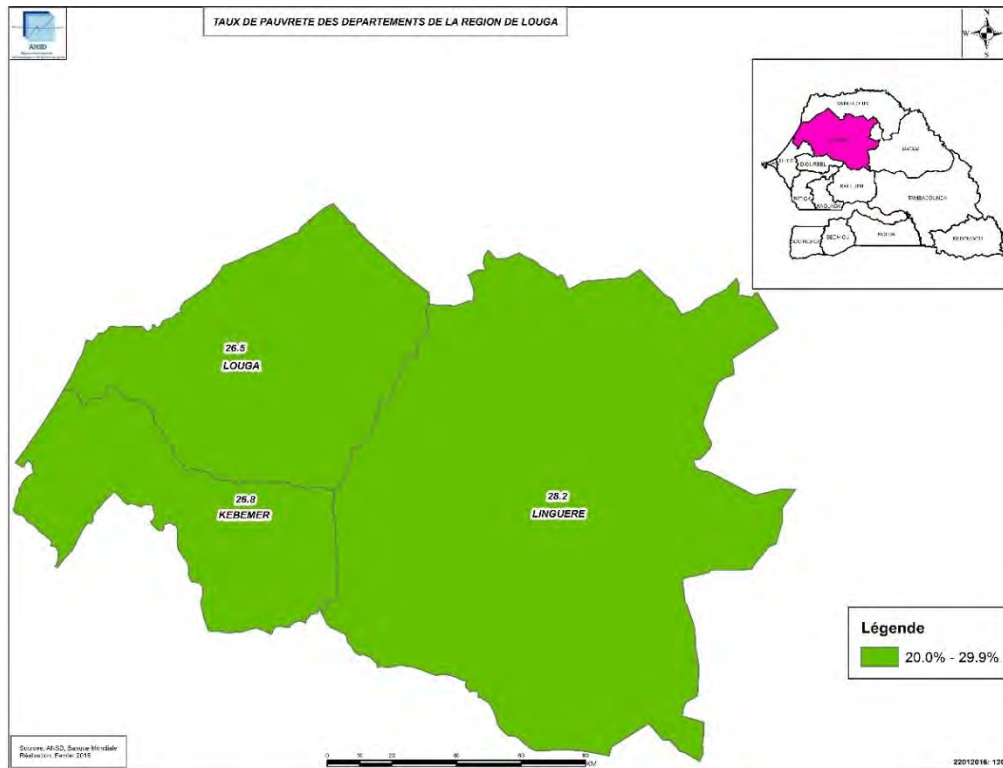


Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

## Louga

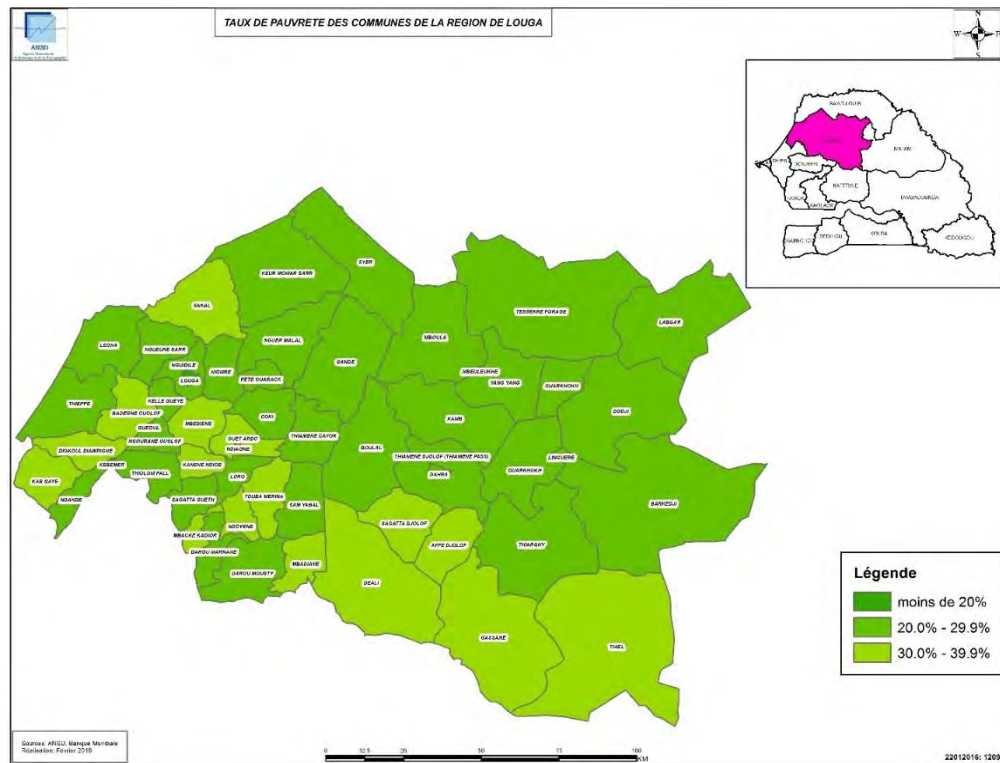
Louga is a region in proximity to Dakar and is, after Dakar, the region with the second lowest predicted poverty rate of 27.1 percent. Louga holds about 6.9 percent of Senegal's population but only about 4 percent of Senegal's poor. All of the 55 communes have poverty rates below the national average and all but one are below 35 percent. Poverty headcount rates range from 19.2 percent in Kebemer, to 37.3 percent in Mbediene. The commune with the highest number of poor persons is the commune of Louga. With a predicted poverty rate of 19.9 percent and a population of approximately 101,500, it has around 20,200 poor people.

Map 18. Louga Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

Map 19. Louga Poverty Map, poverty rates at the CA/CR level

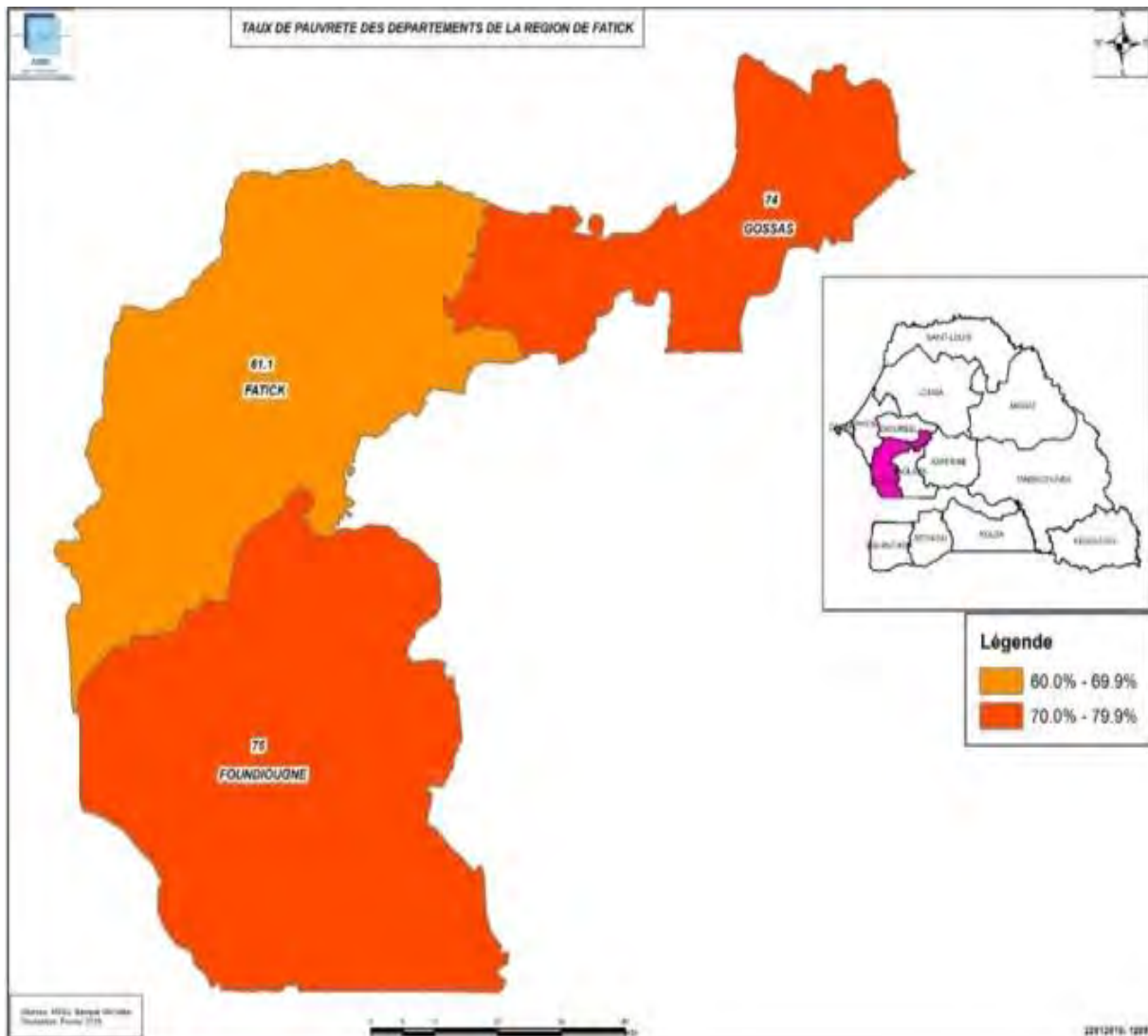


Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

## Fatick

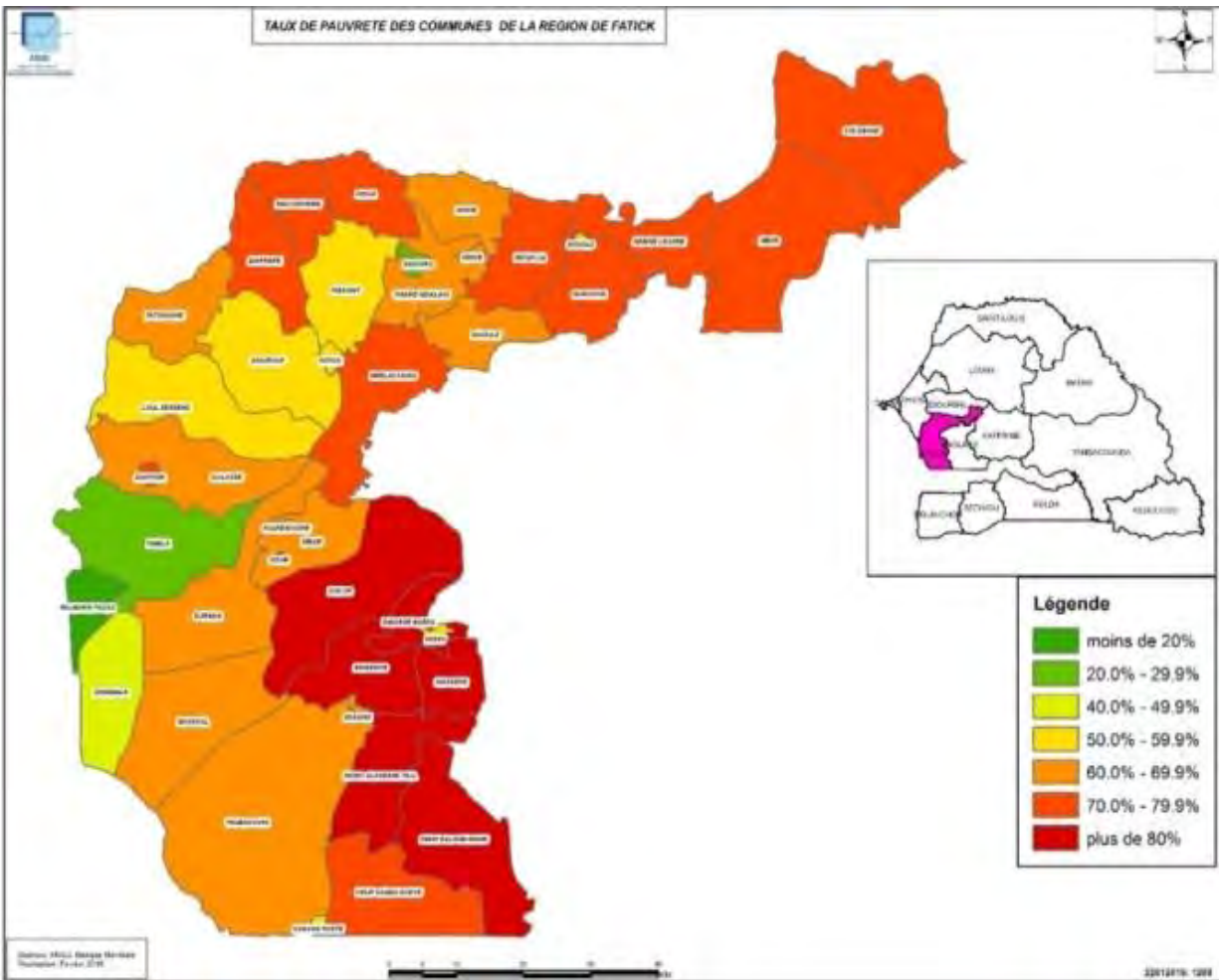
Fatick shares its Southern border with the Gambia and among the regions with the most drastic variations of poverty rates across communes. The three poorest communes (Diagane Barka, Niassene, and Soum) have poverty rates over 90 percent while the three wealthiest communes (Palmarin Facao, Diakhao, and Fimela) show poverty rates of under 30 percent, two of which are located along the coast (Map 21). The wealthiest commune, Palmarin Facao, shows a poverty rate between 11 and 28 percent. Palmarin's economy is dominated by fishing and agriculture, however the low poverty headcount rate can probably be attributed to the tourism industry. The poorest communes are located along the border with Kaolack and 36 out of 40 communes in Fatick have poverty rates below the national average. However, due to the small population sizes, Fatick holds about 6 percent of Senegal's population, Fatick hosts only about 8.3 percent of the Senegal's poor.

Map 20. Fatick Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

Map 21. Fatick Poverty Map, poverty rates at the CA/CR level

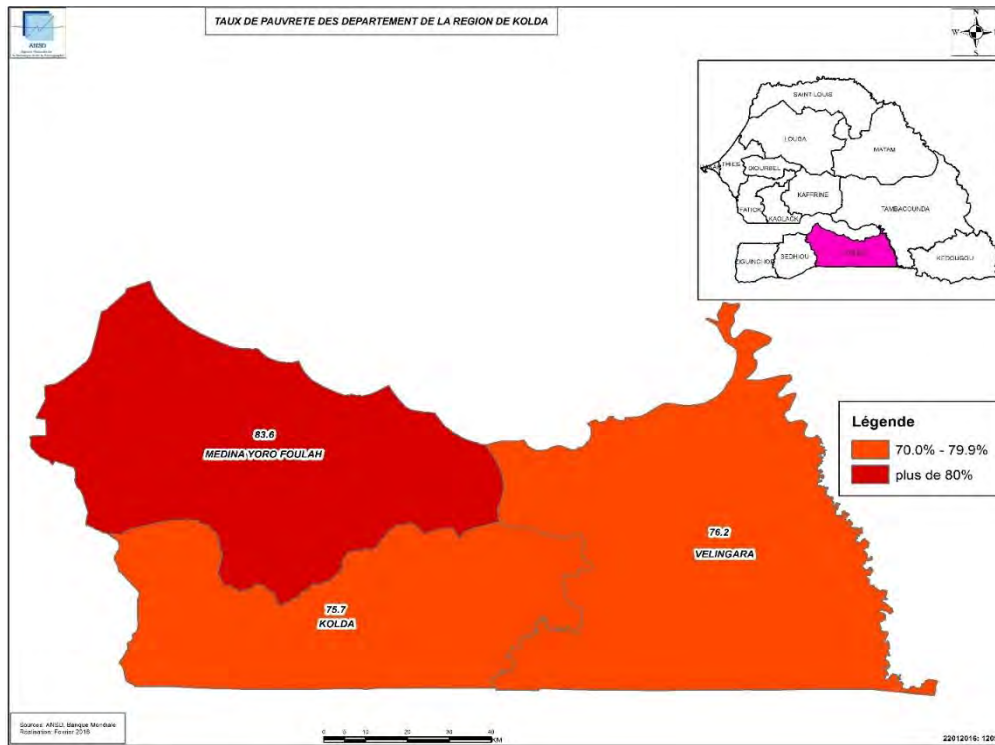


Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

## Kolda

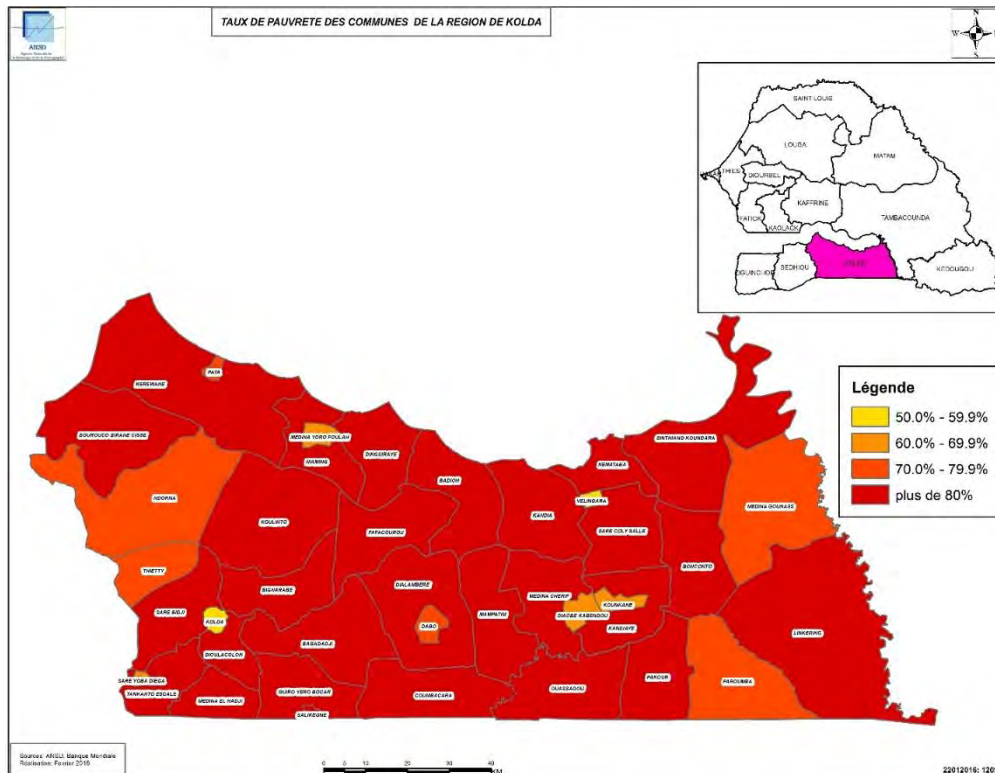
Kolda, the region of the Casamance furthest to the East, is the poorest region of Senegal with a predicted poverty rate of 77.5 percent. There is little variation in predicted poverty rates, 38 out of 40 communes have poverty rates of 60 percent or more and 14 communes show headcount rates of 80 percent or more. The five poorest communes alone (Guïro Yero Bocar, Medina el Hadji, Dialambere, Badion, and Salikégné) account for over 49,500 of the over 505,000 poor in the region. The region's capital Kolda has the second lowest poverty rate of 56.1 percent but due to its large population, it also hosts the highest number of poor of over 45,000.

Map 22. Kolda Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHE 2013.

Map 23. Kolda Poverty Map, poverty rates at the CA/CR level

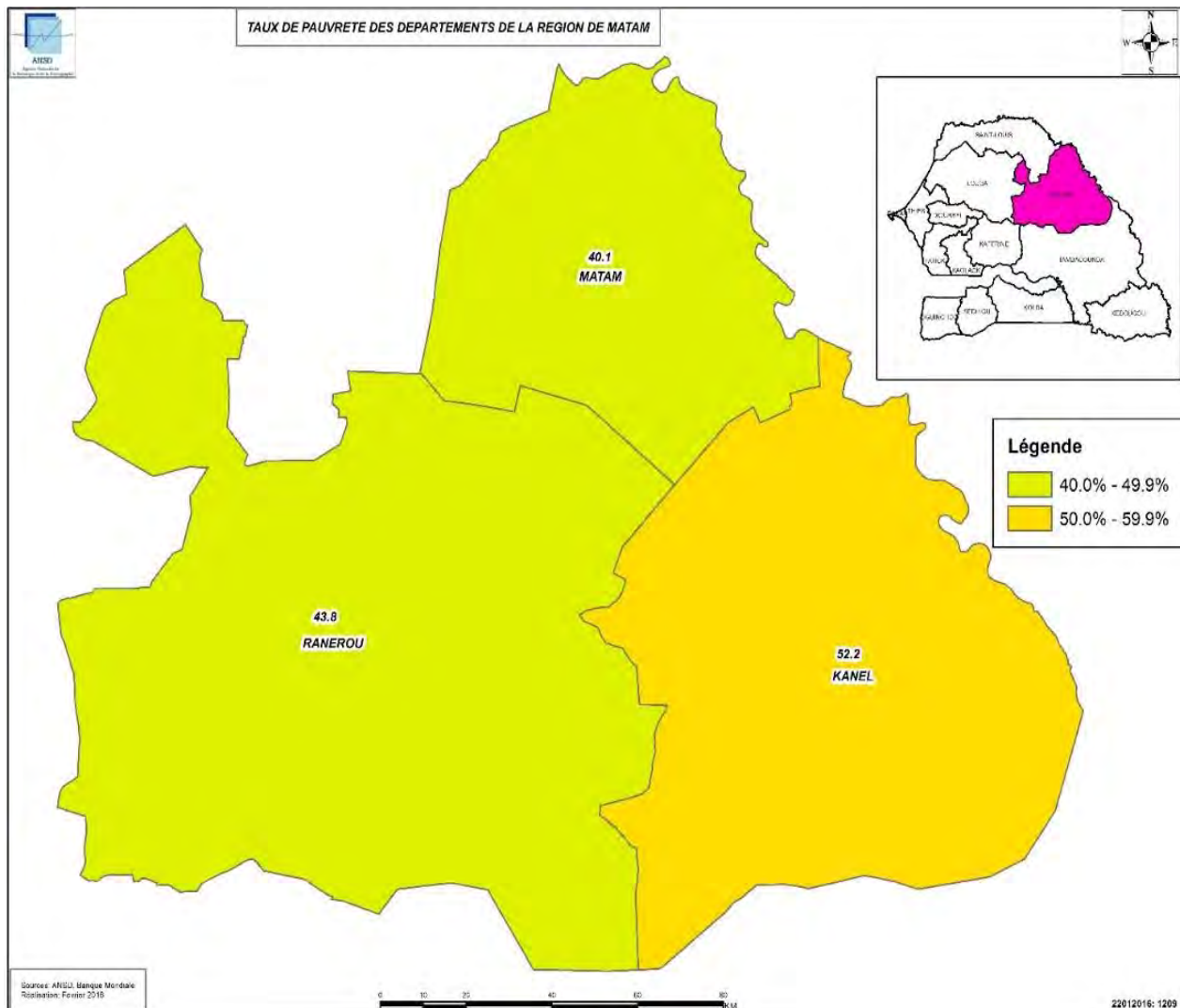


Source: Authors' estimation based on ESPS-2 and RGPHE 2013.

## Matam

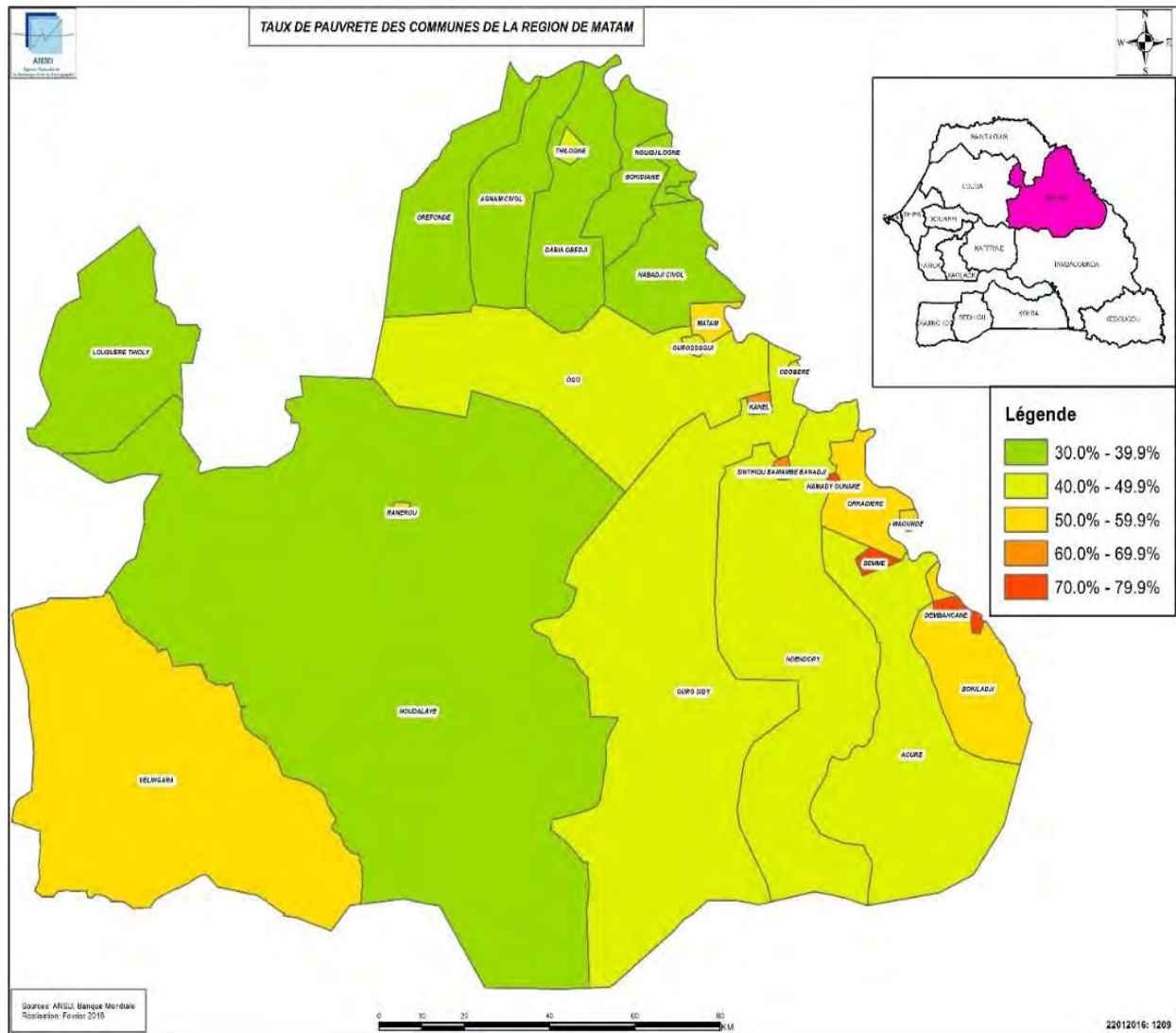
Matam is one of the largest regions by geographical size but with its approximately 540,000 people, it is one of the most sparsely populated regions holding 4.4 percent of Senegal's population. Matam's poverty rate is also among the lowest (predicted poverty rate of 45.5 percent) and 12 of 26 communes have poverty rates that are below the national average. As already discussed, an interesting phenomenon can be observed in the urban centers of Matam. These regions seem to be poorer than the rural areas of the region, a phenomenon that seems counter-intuitive. One theory is that despite the fact that urban and rural areas may have similar consumption patterns, a higher poverty line is applied in urban areas and therefore the threshold which decides whether a household is poor or non-poor is higher. The five poorest communes in number (Orkadiere, Bokidiawe, Nabadji Civol, Ogo, and Ndendory) alone host about 40 percent of the number of poor in the region, about 95,000.

Map 24. Matam Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

Map 25. Matam Poverty Map, poverty rates at the CA/CR level



Source: Authors' estimation based on ESPS-2 and RGPHE 2013.

### Kaffrine

Kaffrine in the center of Senegal, bordered in the South by the Gambia, holds about 4.4 percent of Senegal's population and 6 percent of the number of Senegal's poor. Poverty rates at the level of the commune are fairly evenly distributed in Kaffrine, with headcount rates ranging from 53.7 percent in Ndiobene Samba Lamato 79.6 percent in Malem Hoddar. Kaffrine's economy depends heavily on agricultural activities, primarily on peanuts, millet and corn. The three poorest regions Malem Hoddar, Sagna, and Khelcom with poverty rates between 70 and 80 percent, hold over 32,300 poor or about 13 percent of the region's poor.

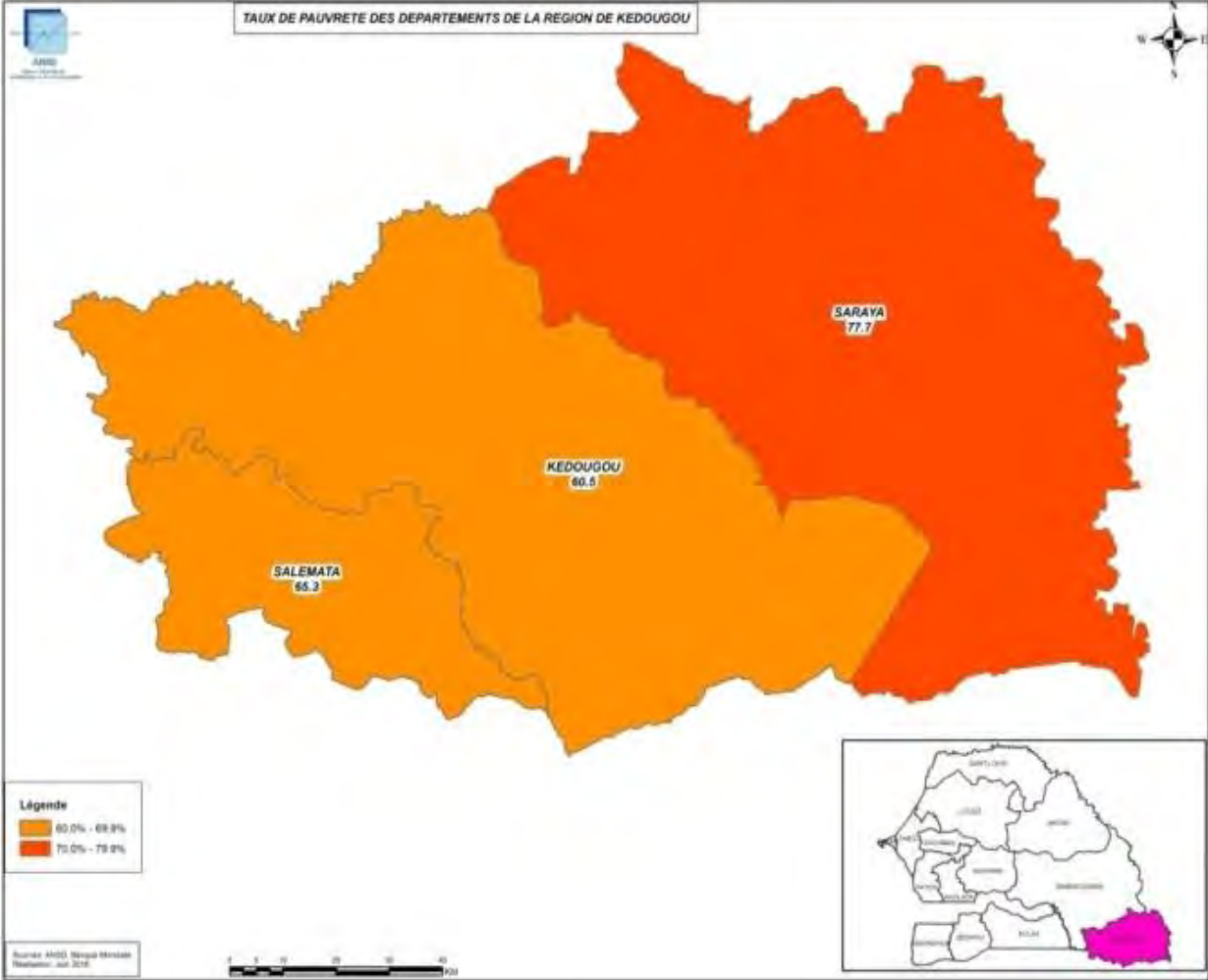


## Kédougou

Kédougou is the southeastern-most region of Senegal and borders Mali to the East and Guinea to the South. Kédougou is the least populated region with 1.2 percent of Senegal's population (about 142,300 people) but it has one of the highest poverty headcount rates of 66.5 percent. However, due to the small number of people, the region accounts for the smallest number of poor despite the high poverty rate; less than 100,000 people live in poverty in Kédougou. Predicted poverty rates at the commune level (

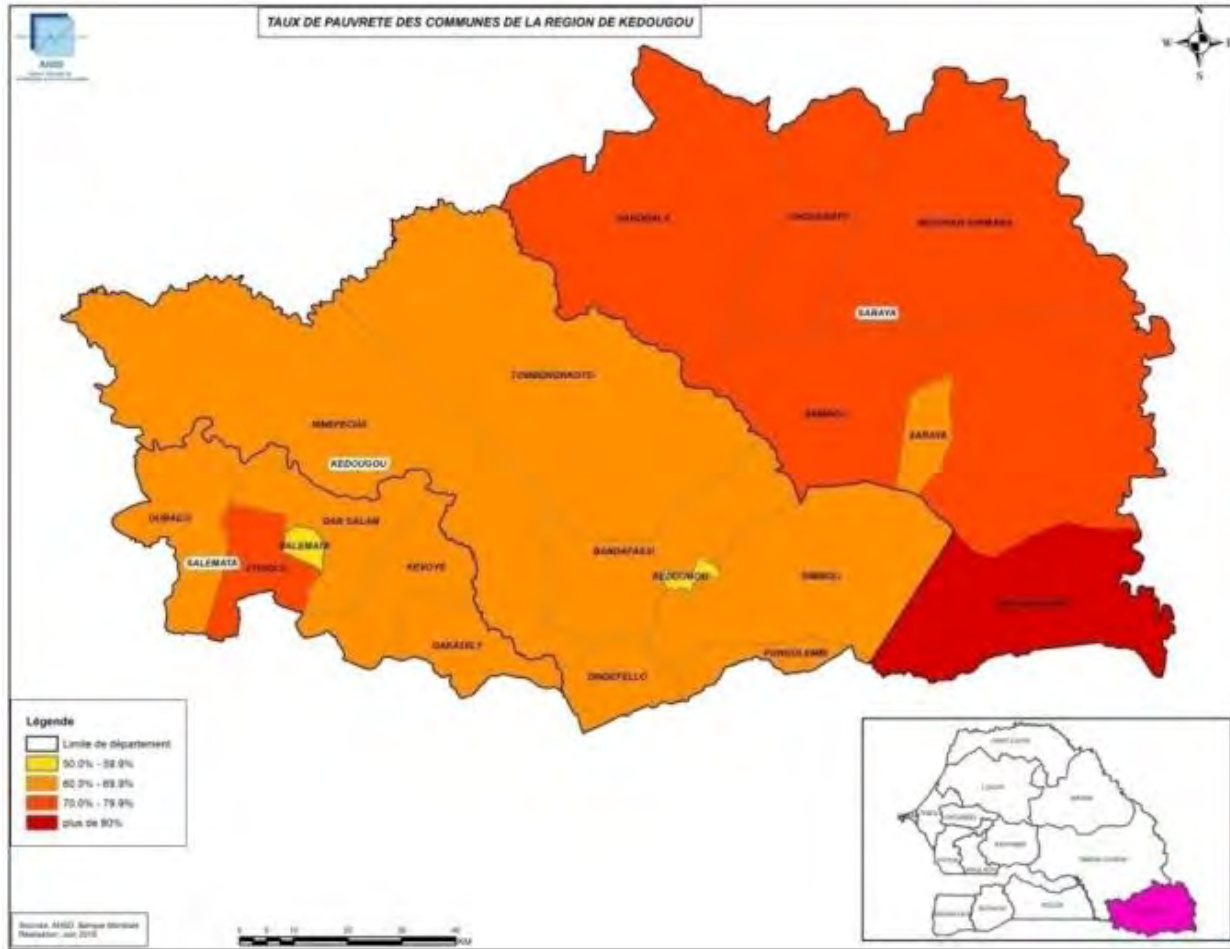
Map 29) range from 53.9 percent in the commune of Salémata to over 82 percent in Médina Baffé. Out of the 19 communes, 6 have poverty rates of over 75 percent. However, the largest number of poor, over 16,000 are located in the most populous commune in the region, Kédougou, which also has the second lowest poverty rate of the region of 54.4 percent.

Map 28. Kédougou Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

Map 29. Kédougou Poverty Map, poverty rates at the CA/CR level

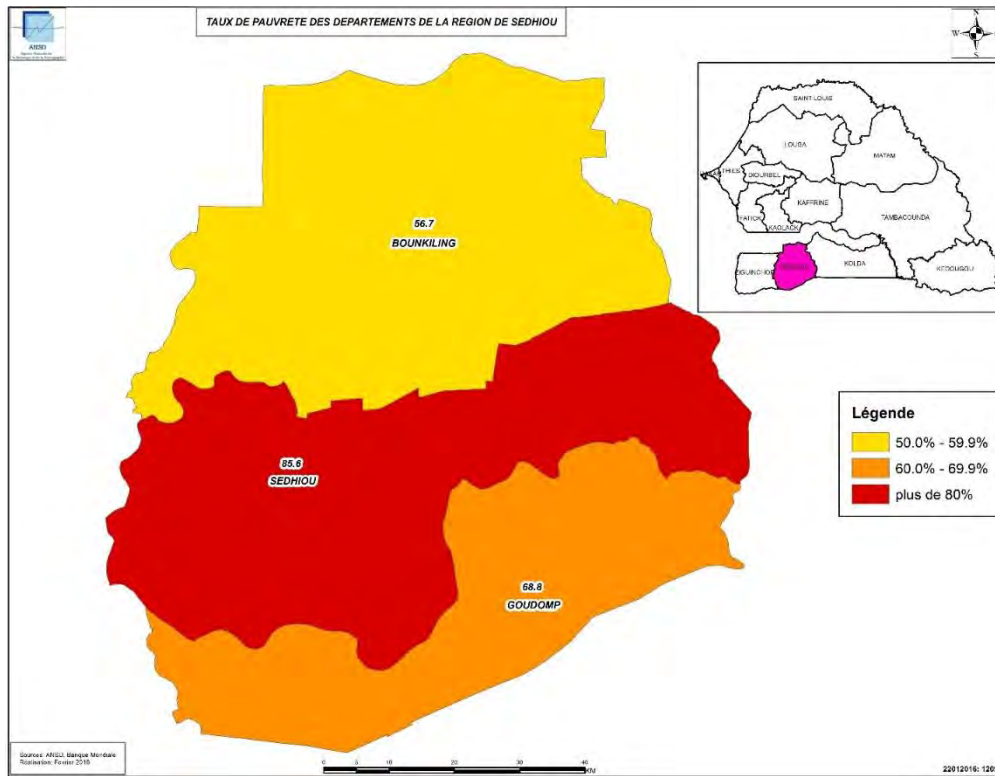


Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

## Sédhiou

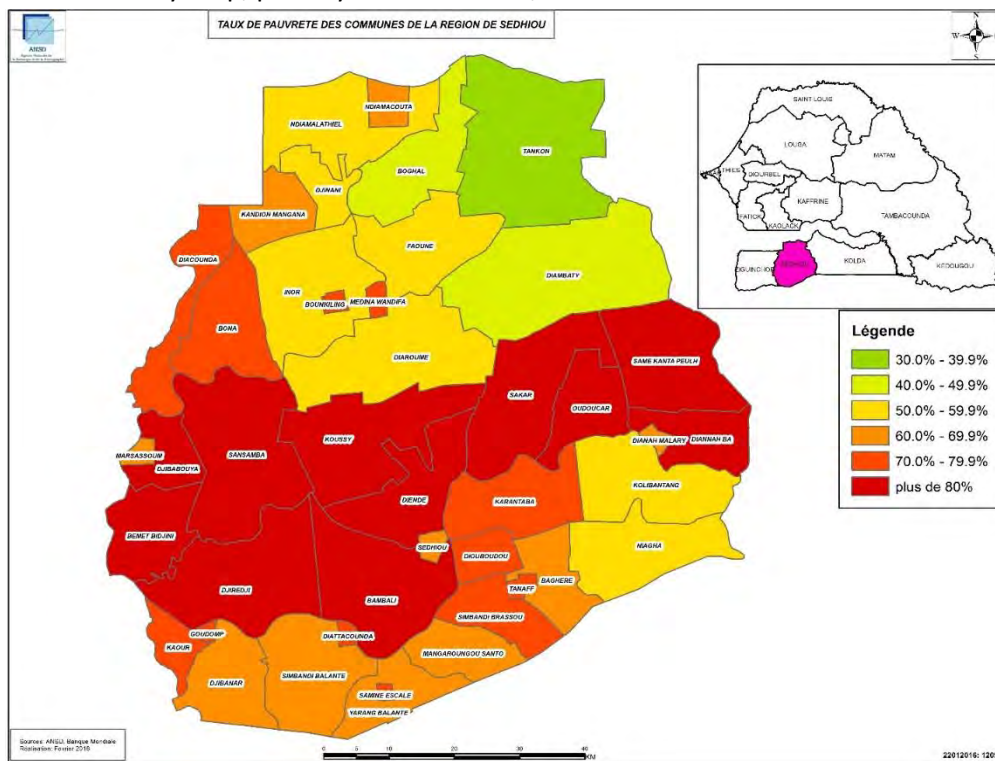
Sédhiou, one of the regions of the Casamance, is the second most sparsely populated region in Senegal, hosting 3.6 percent of Senegal's population. With a poverty rate of 70.6 percent, it is also the second poorest region in Senegal, accounting for 5.1 percent of the country's poor people. Poverty rates in the North of the region, communes bordering the Gambia, tend to be lowest and communes bordering Guinea-Bissau in the South are also better off than communes in the center of the region. The three least poor commune are Tankon, Boghal, and Diambaty in the North with poverty rates of 39.5, 48.5, and 40.7 percent respectively. Seven of the 43 communes in Sédhiou have poverty rates of over 90 percent and host almost 69,300 poor people; over one fifth of the poor population of the region.

Map 30. Sédhiou Poverty Map, poverty rates at the department level



Source: Authors' estimation based on ESPS-2 and RGPHE 2013.

Map 31. Sédhiou Poverty Map, poverty rates at the CA/CR level



Source: Authors' estimation based on ESPS-2 and RGPHE 2013.

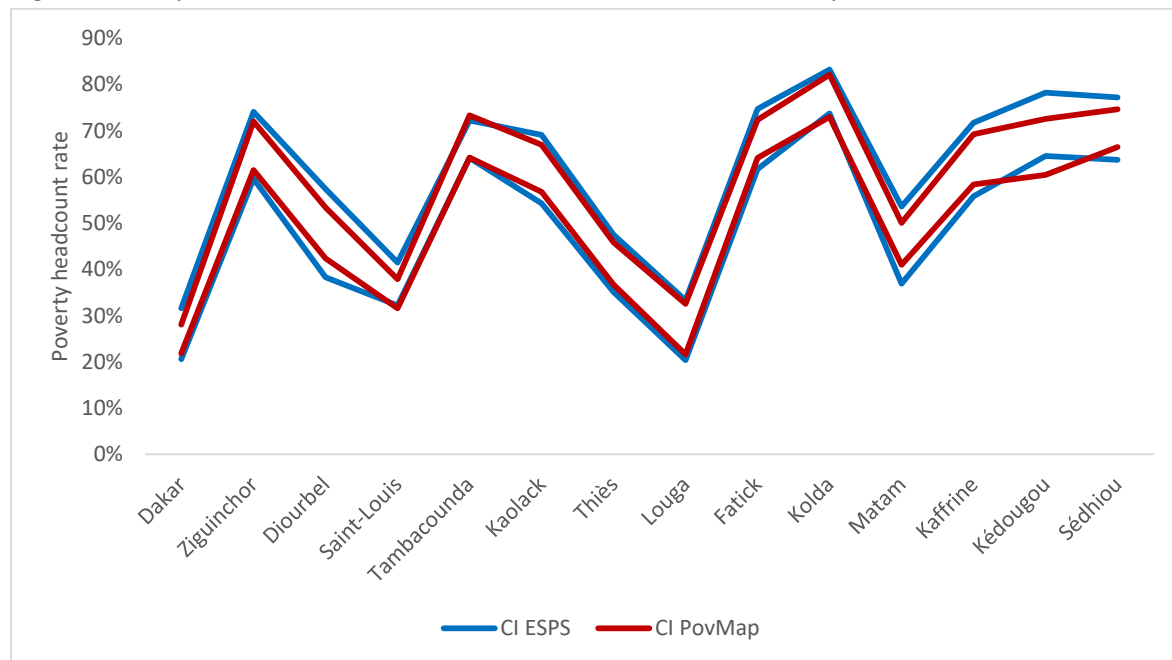
## 6. Validation exercises

### Robustness checks

To check the reliability of our predicted poverty rates, we compare the direct estimates with estimates resulting from the application of the small-area estimation methodology. According to the ESPS-2 the revised national poverty rate was 47.4 percent, with the lower and upper bounds of the 95 percent confidence interval of 45.1 and 49.6 percent respectively (Table 7).

When applying consistency checks using the 95 percent confidence intervals of the direct estimate from the ESPS-2 as well as the predicted estimates from PovMap, we find that our predicted estimates are in fact quite accurate in predicting poverty. However, poverty estimates cannot be seen as true values and their 95 percent confidence interval which represents the margins of errors should be taken into consideration. If the confidence intervals of both estimates are overlapping, we can consider the estimates as overlapping. Figure 5 shows the confidence interval of the direct and the predicted estimates and we can see that in all regions, the estimates are overlapping which we point as a positive sign for our estimates. We can also observe that the confidence intervals of the predicted estimates tend to be smaller than for the direct estimates which is a result of the smaller sample size of the survey.

Figure 5. Comparison of confidence intervals of direct estimates and predicted estimates



Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

### Analysis of standard errors

Predicted poverty rates are associated with some uncertainty (as discussed in the methodology section) which is reflected in the standard error. As a general rule, the higher the standard error, the lower the precision of the prediction and the higher the uncertainty about the accuracy of our prediction. It is

therefore essential to read the predictions in combination with the standard errors as we may draw wrong conclusions otherwise.

Standard errors usually decrease with the increase in sample size which can be observed in our results. The negative slopes of the graphs in Figure 6, indicate the relationship of the standard error with a decreasing sample size. Standard errors at the regional level are much lower than standard errors at the level of the commune. On average, standard errors at the level of the region, department, arrondissement, and commune are 0.023; 0.031; 0.046; and 0.052 for average sample sizes of 95,945; 33,909; 6,411; and 2,764. The largest standard error at the regional level is 0.029 while it is 0.070; 0.094; and 0.153<sup>11</sup> for departments, arrondissement and communes respectively. Of the 45 departments, only one has a standard error of more than 0.050 and of the 239 arrondissements, only about a third have standard errors above 0.050 and all are under 0.1. Of the 553 communes, about half 278 have standard errors of 0.050 or less and only 4 have standard errors above 0.1.

Considering the fairly high standard errors of the direct estimates from the ESPS-2, these results seem to indicate that predicted poverty rates are precise considering the relatively small number of households for some communes. Details on predictions and their standard errors are presented in Annex 3.

Figure 6. Standard error of estimated poverty rates



Source: Authors' estimation based on ESPS-2 and RGPHE 2013.

<sup>11</sup> This standard error is not displayed in Figure 6 as it would have changed the scale of all graphs.

## 7. Conclusion

This report summarizes the steps towards creating as well as the findings of the poverty map for Senegal conducted by the World Bank and ANSD. Notwithstanding several methodological challenges to constructing this map such as changes in the sample frame, differences in urban/rural definitions, etc., we were able to produce statistically reliable poverty predictions at the commune level using the small area estimation methodology.

Poverty mapping makes use of the small-area estimation methodology which involves modeling a relationship between household consumption expenditure and individual, household, and location characteristics from the survey data and to subsequently impose this relationship on the census data to estimate household expenditure. It therefore combines the strengths of the household survey (ESPS-2), which collects detailed information on household consumption, and the census (RGPHAE), which collects information on all households, to predict poverty rates at small levels of geographical disaggregation. Poverty mapping allows for the estimation of average poverty rates at various levels of geographical disaggregation, in the case of Senegal at the department, arrondissement, and commune level. By visualizing these spatially distributed poverty rates on a color-coded map, we seek to draw attention to those areas of Senegal that are considered the poorest according to headcount rates as well as those areas that host the largest proportions of poor people, which due to differences in population sizes are not necessarily the same. As can be seen in the case of the city of Dakar and Touba, urban centers and other populated areas might have low poverty rates but host a large number of poor people. For policy makers, each of these respective poor areas is of concern and visualizing them on a map seeks to aid the design of policies and placement of projects.

The results of the poverty map show that poverty tends to increase from North to South, with the exception of Dakar. Factors such as the lack of market access and transportation connectivity seem to play large roles in the spatial dimension of poverty in Senegal's more-isolated Eastern and Southern regions (World Bank, 2015b). Regions in Senegal vary widely in their prosperity of population. Poverty incidence is highest in the South, the so-called Casamance which incorporates the regions of Ziguinchor, Kolda, and Sédhiou, as well as in Kédougou. The Casamance paradoxically has rich natural capital and higher rainfall levels, but its relative isolation, due to its location South of The Gambia and its past history of low-level conflict, are likely constraining economic opportunities for its citizens (World Bank, 2015b).

Due to the visual representation of poverty rates at various geographically disaggregated levels, we can observe pockets of poverty and prosperity as well as phenomena that may otherwise remain uncovered. For example, urban centers in the East of Matam seem to be poorer than the rural areas of the region. This seems counter-intuitive as urban areas tend to be better off than rural areas. We can also observe that poverty rates tend to be low in Dakar and neighboring regions as well as along the coast in the South of Dakar which hosts a vibrant tourism industry. Furthermore, in Sédhiou, the communes bordering the Gambia to the North seem to be relatively well off compared to communes further South and Ziguinchor

has lower poverty rates along the coast. Other islands of prosperity are located along the coast in the region of Fatick as a result of tourism whereas the border regions to the Gambia tend to be poorer.

As an alternative to the poverty headcount rates, it is possible to visualize the spatial dimension of poverty by mapping out the number of poor. As one can see from these maps, the areas with the highest poverty rate in Senegal are not always where most of the poor live. Despite low poverty rates, urban and semi-urban areas often host large numbers of poor. In Senegal, we observe that the vast number of people is located in and around Dakar as well as Touba, the second most populated city in Senegal. This indicates that despite the very low poverty rates in these locations, the absolute size of the poor population is relatively large. We can also see that many poor live in and around the border to the Gambia as well as in poverty pockets in the East of the country in the Matam region.

Beyond the visual representation of the distribution of poverty, poverty maps draw their power from their utility to policy makers. In Senegal for example, results of the poverty map are used for the government's social protection program under the World Bank's Adaptive Social Safety Net project. The poverty map contributes to improving the targeting of cash transfers to 450,000 households and ensuring that the poorest households are identified for cash assistance and there is minimal leakage to non-poor.

It is important to acknowledge that the poverty rates reported are predicted estimates derived from a modeling and imputation methodology. Despite the fact that much effort has been placed on estimating accurate and reliable poverty rates, great care therefore has to be taken in interpreting these results and the standard errors always have to be taken into consideration when interpreting results.

## 8. References

- Agence Nationale de la Statistique et de la Démographie (ANSD) (2014). Rapport définitif: RGPHAE 2013. ANSD. Dakar, Senegal.
- Ahmed, F., Dorji, C. Takamatsu, S., and Yoshida, N. (2014). Hybrid Survey to Improve the Reliability of Poverty Statistics in a Cost-Effective Manner. *Research Working Paper 6909*. World Bank, Washington, D.C.
- Elbers, C., Lanjouw, J.O., and Lanjouw P. (2003). Micro-level Estimation of Poverty and Inequality. *Econometrica*, 71(1):355-364.
- Elbers, C., Lanjouw, J.O., and Lanjouw P. (2002). Micro-Level Estimation of Welfare. *Research Working Paper 2911*. World Bank, Development Research Group, Washington, D.C.
- Pokhriyal, N., Dong, W., and Govindaraju, V. (2015). Virtual Networks and Poverty Analysis in Senegal. D4D, NetMob, April 2015.
- Tarrozi, A., and Deaton, A. (2009). Using Census and Survey Data to Estimate Poverty and Inequality for Small Areas. *The Review of Economics and Statistics*. 91(4): 773–792.
- World Bank (2009). Updating Poverty Maps: Bangladesh Poverty Maps for 2005. Technical Report. World Bank, Washington, D.C.
- World Bank (2013). Nepal: Small Area Estimation of Poverty, 2011. World Bank, Washington, D.C.
- World Bank (2015a). Where are Iraq's Poor: Mapping Poverty in Iraq. World Bank, Washington, DC.
- World Bank (2015b). Poverty Assessment for Senegal. World Bank, Washington, D.C.
- Elbers, C., Lanjouw, P., Van der Weide, R., and Zhao Q. (forthcoming). PovMap User Guide, Version 2.5. World Bank, Washington, D.C.

## 9. Annexes

### Annex 1: Comparison of survey and census means

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
DAKAR	Age of household head	56.62	0.79	55.08	58.16	51.92	0.03	51.87	51.97
ZIGUINCHOR	Age of household head	54.73	1.14	52.50	56.97	52.14	0.06	52.02	52.27
DIORBEL	Age of household head	50.57	1.54	47.56	53.58	50.92	0.04	50.84	51.01
SAINT-LOUIS	Age of household head	55.79	0.90	54.04	57.55	51.86	0.05	51.76	51.96
TAMBACOUNDA	Age of household head	52.32	0.80	50.75	53.89	50.26	0.07	50.12	50.40
KAOLACK	Age of household head	52.36	1.01	50.39	54.33	50.88	0.05	50.78	50.98
THIES	Age of household head	58.01	0.84	56.36	59.66	53.97	0.04	53.90	54.05
LOUGA	Age of household head	51.88	0.97	49.97	53.78	50.91	0.06	50.80	51.02
FATICK	Age of household head	51.58	0.95	49.73	53.44	51.59	0.06	51.47	51.71
KOLDA	Age of household head	52.17	1.09	50.02	54.31	49.03	0.06	48.91	49.15
MATAM	Age of household head	53.14	1.30	50.59	55.68	52.53	0.08	52.37	52.68
KAFFRINE	Age of household head	50.09	1.02	48.10	52.08	48.18	0.07	48.05	48.31
KEDOUGOU	Age of household head	49.35	1.30	46.79	51.90	48.45	0.13	48.19	48.70
SEDHIOU	Age of household head	55.75	1.14	53.52	57.99	51.36	0.08	51.20	51.52
DAKAR	Age of household head cubed	214.18	9.16	196.23	232.14	171.94	0.28	171.39	172.49
ZIGUINCHOR	Age of household head cubed	197.54	11.42	175.16	219.93	174.25	0.64	172.99	175.50
DIORBEL	Age of household head cubed	162.95	13.28	136.91	188.98	164.94	0.44	164.07	165.80
SAINT-LOUIS	Age of household head cubed	209.15	10.46	188.65	229.66	170.74	0.52	169.71	171.76
TAMBACOUNDA	Age of household head cubed	170.73	7.66	155.72	185.74	159.38	0.71	157.99	160.76
KAOLACK	Age of household head cubed	174.14	9.76	155.02	193.27	159.64	0.51	158.65	160.63
THIES	Age of household head cubed	228.01	9.77	208.86	247.16	190.16	0.43	189.31	191.01
LOUGA	Age of household head cubed	173.83	9.40	155.42	192.25	164.66	0.57	163.54	165.77
FATICK	Age of household head cubed	163.87	8.89	146.44	181.29	167.84	0.63	166.61	169.06
KOLDA	Age of household head cubed	176.06	11.55	153.43	198.69	145.49	0.58	144.34	146.63
MATAM	Age of household head cubed	188.90	13.62	162.21	215.58	181.02	0.81	179.43	182.61
KAFFRINE	Age of household head cubed	146.82	8.38	130.39	163.25	137.43	0.60	136.27	138.60
KEDOUGOU	Age of household head cubed	158.21	12.69	133.34	183.08	142.78	1.22	140.39	145.18
SEDHIOU	Age of household head cubed	210.62	12.27	186.57	234.68	164.82	0.81	163.24	166.40
DAKAR	Age of household head squared	33.98	0.95	32.12	35.84	28.98	0.03	28.92	29.04
ZIGUINCHOR	Age of household head squared	31.99	1.28	29.48	34.51	29.22	0.07	29.08	29.36
DIORBEL	Age of household head squared	27.75	1.57	24.66	30.83	28.03	0.05	27.94	28.13
SAINT-LOUIS	Age of household head squared	33.21	1.08	31.10	35.32	28.86	0.06	28.75	28.97
TAMBACOUNDA	Age of household head squared	29.12	0.88	27.40	30.84	27.36	0.08	27.20	27.51
KAOLACK	Age of household head squared	29.31	1.10	27.15	31.48	27.67	0.06	27.56	27.78
THIES	Age of household head squared	35.52	1.02	33.53	37.52	31.13	0.05	31.04	31.22
LOUGA	Age of household head squared	29.06	1.07	26.97	31.15	28.00	0.06	27.88	28.12

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
FATICK	Age of household head squared	28.29	1.03	26.27	30.31	28.53	0.07	28.40	28.67
KOLDA	Age of household head squared	29.31	1.26	26.85	31.77	25.86	0.07	25.73	25.99
MATAM	Age of household head squared	30.64	1.47	27.75	33.53	29.84	0.09	29.66	30.01
KAFFRINE	Age of household head squared	26.48	1.04	24.45	28.50	24.92	0.07	24.79	25.06
KEDOUGOU	Age of household head squared	26.81	1.43	24.02	29.60	25.41	0.14	25.13	25.68
SEDHIOU	Age of household head squared	33.31	1.33	30.71	35.91	28.24	0.09	28.06	28.41
DAKAR	Cooking fuel: Coal	0.19	0.02	0.15	0.22	0.15	0.00	0.15	0.15
ZIGUINCHOR	Cooking fuel: Coal	0.34	0.03	0.27	0.40	0.32	0.00	0.32	0.33
DIORBEL	Cooking fuel: Coal	0.30	0.04	0.22	0.38	0.32	0.00	0.32	0.32
SAINT-LOUIS	Cooking fuel: Coal	0.18	0.02	0.14	0.22	0.15	0.00	0.15	0.15
TAMBACOUNDA	Cooking fuel: Coal	0.20	0.02	0.16	0.25	0.16	0.00	0.16	0.16
KAOLACK	Cooking fuel: Coal	0.27	0.03	0.21	0.33	0.17	0.00	0.17	0.17
THIES	Cooking fuel: Coal	0.16	0.02	0.12	0.20	0.09	0.00	0.09	0.09
LOUGA	Cooking fuel: Coal	0.08	0.01	0.05	0.10	0.07	0.00	0.07	0.07
FATICK	Cooking fuel: Coal	0.07	0.02	0.03	0.10	0.04	0.00	0.04	0.04
KOLDA	Cooking fuel: Coal	0.21	0.02	0.16	0.25	0.13	0.00	0.13	0.14
MATAM	Cooking fuel: Coal	0.06	0.02	0.03	0.10	0.01	0.00	0.01	0.01
KAFFRINE	Cooking fuel: Coal	0.10	0.02	0.07	0.14	0.06	0.00	0.06	0.06
KEDOUGOU	Cooking fuel: Coal	0.18	0.03	0.13	0.23	0.12	0.00	0.11	0.12
SEDHIOU	Cooking fuel: Coal	0.11	0.02	0.07	0.15	0.07	0.00	0.07	0.07
DAKAR	Cooking fuel: Gas	0.71	0.02	0.66	0.75	0.78	0.00	0.78	0.78
ZIGUINCHOR	Cooking fuel: Gas	0.09	0.02	0.05	0.13	0.09	0.00	0.09	0.10
DIORBEL	Cooking fuel: Gas	0.06	0.01	0.04	0.09	0.07	0.00	0.07	0.07
SAINT-LOUIS	Cooking fuel: Gas	0.15	0.02	0.11	0.19	0.19	0.00	0.19	0.20
TAMBACOUNDA	Cooking fuel: Gas	0.02	0.01	0.01	0.04	0.02	0.00	0.02	0.02
KAOLACK	Cooking fuel: Gas	0.11	0.02	0.08	0.15	0.13	0.00	0.13	0.13
THIES	Cooking fuel: Gas	0.31	0.02	0.27	0.36	0.34	0.00	0.34	0.34
LOUGA	Cooking fuel: Gas	0.09	0.01	0.07	0.12	0.09	0.00	0.09	0.10
FATICK	Cooking fuel: Gas	0.09	0.01	0.06	0.12	0.09	0.00	0.09	0.09
KOLDA	Cooking fuel: Gas	0.02	0.01	0.00	0.03	0.02	0.00	0.02	0.02
MATAM	Cooking fuel: Gas	0.02	0.00	0.01	0.02	0.03	0.00	0.03	0.03
KAFFRINE	Cooking fuel: Gas	0.02	0.00	0.01	0.03	0.01	0.00	0.01	0.01
KEDOUGOU	Cooking fuel: Gas	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
SEDHIOU	Cooking fuel: Gas	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.02
DAKAR	Cooking fuel: Other	0.08	0.01	0.05	0.11	0.03	0.00	0.03	0.03
ZIGUINCHOR	Cooking fuel: Other	0.02	0.01	0.00	0.04	0.02	0.00	0.02	0.02
DIORBEL	Cooking fuel: Other	0.03	0.01	0.01	0.06	0.02	0.00	0.02	0.02
SAINT-LOUIS	Cooking fuel: Other	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
TAMBACOUNDA	Cooking fuel: Other	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.02
KAOLACK	Cooking fuel: Other	0.03	0.01	0.01	0.04	0.02	0.00	0.02	0.02

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
THIES	Cooking fuel: Other	0.01	0.01	0.00	0.03	0.02	0.00	0.02	0.02
LOUGA	Cooking fuel: Other	0.03	0.01	0.01	0.05	0.04	0.00	0.03	0.04
FATICK	Cooking fuel: Other	0.02	0.01	0.00	0.05	0.01	0.00	0.01	0.01
KOLDA	Cooking fuel: Other	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
MATAM	Cooking fuel: Other	0.02	0.00	0.01	0.02	0.02	0.00	0.02	0.02
KAFFRINE	Cooking fuel: Other	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
KEDOUGOU	Cooking fuel: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.02
SEDHIOU	Cooking fuel: Other	0.01	0.01	0.00	0.02	0.01	0.00	0.00	0.01
DAKAR	Cooking fuel: Wood	0.02	0.01	0.01	0.04	0.04	0.00	0.04	0.05
ZIGUINCHOR	Cooking fuel: Wood	0.55	0.03	0.48	0.62	0.56	0.00	0.56	0.57
DIOURBEL	Cooking fuel: Wood	0.61	0.04	0.52	0.69	0.59	0.00	0.59	0.59
SAINT-LOUIS	Cooking fuel: Wood	0.65	0.03	0.60	0.70	0.64	0.00	0.64	0.64
TAMBACOUNDA	Cooking fuel: Wood	0.75	0.02	0.71	0.80	0.80	0.00	0.80	0.81
KAOLACK	Cooking fuel: Wood	0.59	0.03	0.52	0.65	0.68	0.00	0.68	0.68
THIES	Cooking fuel: Wood	0.51	0.03	0.46	0.56	0.55	0.00	0.55	0.55
LOUGA	Cooking fuel: Wood	0.80	0.02	0.76	0.84	0.80	0.00	0.80	0.80
FATICK	Cooking fuel: Wood	0.82	0.02	0.77	0.86	0.85	0.00	0.85	0.86
KOLDA	Cooking fuel: Wood	0.77	0.02	0.73	0.81	0.84	0.00	0.84	0.84
MATAM	Cooking fuel: Wood	0.91	0.02	0.87	0.94	0.94	0.00	0.94	0.94
KAFFRINE	Cooking fuel: Wood	0.87	0.02	0.84	0.91	0.92	0.00	0.92	0.92
KEDOUGOU	Cooking fuel: Wood	0.81	0.03	0.76	0.86	0.85	0.00	0.84	0.85
SEDHIOU	Cooking fuel: Wood	0.87	0.02	0.83	0.91	0.91	0.00	0.91	0.92
DAKAR	Head is literate in French	0.47	0.03	0.41	0.53	0.50	0.00	0.50	0.51
ZIGUINCHOR	Head is literate in French	0.53	0.04	0.45	0.60	0.41	0.00	0.41	0.42
DIOURBEL	Head is literate in French	0.14	0.03	0.08	0.21	0.12	0.00	0.12	0.12
SAINT-LOUIS	Head is literate in French	0.26	0.03	0.21	0.31	0.23	0.00	0.23	0.23
TAMBACOUNDA	Head is literate in French	0.20	0.02	0.15	0.24	0.13	0.00	0.13	0.13
KAOLACK	Head is literate in French	0.24	0.04	0.16	0.31	0.22	0.00	0.21	0.22
THIES	Head is literate in French	0.24	0.02	0.20	0.29	0.27	0.00	0.26	0.27
LOUGA	Head is literate in French	0.12	0.02	0.08	0.16	0.14	0.00	0.14	0.14
FATICK	Head is literate in French	0.17	0.02	0.12	0.22	0.21	0.00	0.21	0.22
KOLDA	Head is literate in French	0.18	0.02	0.14	0.23	0.15	0.00	0.15	0.15
MATAM	Head is literate in French	0.13	0.03	0.08	0.19	0.10	0.00	0.10	0.10
KAFFRINE	Head is literate in French	0.18	0.04	0.11	0.25	0.09	0.00	0.09	0.10
KEDOUGOU	Head is literate in French	0.22	0.03	0.16	0.28	0.18	0.00	0.17	0.19
SEDHIOU	Head is literate in French	0.22	0.03	0.17	0.27	0.18	0.00	0.17	0.18
DAKAR	Head is married	0.74	0.03	0.69	0.79	0.83	0.00	0.83	0.84
ZIGUINCHOR	Head is married	0.78	0.03	0.72	0.84	0.85	0.00	0.84	0.85
DIOURBEL	Head is married	0.90	0.02	0.86	0.94	0.94	0.00	0.94	0.94
SAINT-LOUIS	Head is married	0.86	0.02	0.81	0.90	0.91	0.00	0.90	0.91

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>TAMBACOUNDA</b>	Head is married	0.91	0.01	0.88	0.94	0.95	0.00	0.95	0.95
<b>KAOLACK</b>	Head is married	0.89	0.02	0.85	0.93	0.93	0.00	0.92	0.93
<b>THIES</b>	Head is married	0.88	0.02	0.84	0.91	0.90	0.00	0.90	0.91
<b>LOUGA</b>	Head is married	0.93	0.02	0.90	0.96	0.95	0.00	0.95	0.95
<b>FATICK</b>	Head is married	0.91	0.02	0.87	0.94	0.93	0.00	0.93	0.93
<b>KOLDA</b>	Head is married	0.95	0.01	0.93	0.98	0.96	0.00	0.96	0.96
<b>MATAM</b>	Head is married	0.84	0.03	0.78	0.90	0.93	0.00	0.93	0.93
<b>KAFFRINE</b>	Head is married	0.96	0.01	0.95	0.98	0.97	0.00	0.97	0.97
<b>KEDOUGOU</b>	Head is married	0.94	0.02	0.91	0.97	0.95	0.00	0.95	0.95
<b>SEDHIOU</b>	Head is married	0.94	0.01	0.92	0.96	0.95	0.00	0.95	0.95
<b>DAKAR</b>	Head marital status: Divorced, separated	0.04	0.01	0.02	0.06	0.03	0.00	0.03	0.03
<b>ZIGUINCHOR</b>	Head marital status: Divorced, separated	0.04	0.02	0.01	0.07	0.02	0.00	0.02	0.02
<b>DIOURBEL</b>	Head marital status: Divorced, separated	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>SAINT-LOUIS</b>	Head marital status: Divorced, separated	0.03	0.01	0.00	0.06	0.01	0.00	0.01	0.01
<b>TAMBACOUNDA</b>	Head marital status: Divorced, separated	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>KAOLACK</b>	Head marital status: Divorced, separated	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>THIES</b>	Head marital status: Divorced, separated	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>LOUGA</b>	Head marital status: Divorced, separated	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>FATICK</b>	Head marital status: Divorced, separated	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KOLDA</b>	Head marital status: Divorced, separated	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>MATAM</b>	Head marital status: Divorced, separated	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAFFRINE</b>	Head marital status: Divorced, separated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KEDOUGOU</b>	Head marital status: Divorced, separated	0.01	0.01	0.00	0.02	0.01	0.00	0.00	0.01
<b>SEDHIOU</b>	Head marital status: Divorced, separated	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>DAKAR</b>	Head marital status: Living together	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Head marital status: Living together	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>DIOURBEL</b>	Head marital status: Living together	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>SAINT-LOUIS</b>	Head marital status: Living together	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>TAMBACOUNDA</b>	Head marital status: Living together	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KAOLACK	Head marital status: Living together	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
THIES	Head marital status: Living together	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LOUGA	Head marital status: Living together	0.01	0.01	-0.01	0.02	0.00	0.00	0.00	0.00
FATICK	Head marital status: Living together	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOLDA	Head marital status: Living together	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATAM	Head marital status: Living together	0.02	0.02	-0.01	0.05	0.00	0.00	0.00	0.00
KAFFRINE	Head marital status: Living together	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00
KEDOUGOU	Head marital status: Living together	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEDHIOU	Head marital status: Living together	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DAKAR	Head marital status: Married monogam	0.47	0.03	0.41	0.53	0.55	0.00	0.55	0.55
ZIGUINCHOR	Head marital status: Married monogam	0.53	0.04	0.45	0.61	0.57	0.00	0.57	0.58
DIOURBEL	Head marital status: Married monogam	0.46	0.05	0.36	0.55	0.45	0.00	0.45	0.46
SAINT-LOUIS	Head marital status: Married monogam	0.46	0.03	0.40	0.52	0.55	0.00	0.55	0.55
TAMBACOUNDA	Head marital status: Married monogam	0.50	0.03	0.44	0.56	0.52	0.00	0.51	0.52
KAOLACK	Head marital status: Married monogam	0.49	0.04	0.42	0.57	0.46	0.00	0.45	0.46
THIES	Head marital status: Married monogam	0.43	0.03	0.37	0.49	0.54	0.00	0.54	0.54
LOUGA	Head marital status: Married monogam	0.48	0.04	0.41	0.55	0.49	0.00	0.48	0.49
FATICK	Head marital status: Married monogam	0.48	0.04	0.41	0.56	0.54	0.00	0.54	0.55
KOLDA	Head marital status: Married monogam	0.44	0.04	0.37	0.51	0.47	0.00	0.46	0.47
MATAM	Head marital status: Married monogam	0.58	0.04	0.50	0.66	0.59	0.00	0.58	0.59
KAFFRINE	Head marital status: Married monogam	0.49	0.04	0.41	0.58	0.42	0.00	0.42	0.43
KEDOUGOU	Head marital status: Married monogam	0.46	0.04	0.38	0.53	0.47	0.00	0.47	0.48
SEDHIOU	Head marital status: Married monogam	0.38	0.03	0.31	0.44	0.43	0.00	0.42	0.43
DAKAR	Head marital status: Married polygam	0.27	0.03	0.22	0.32	0.29	0.00	0.28	0.29
ZIGUINCHOR	Head marital status: Married polygam	0.24	0.04	0.17	0.32	0.27	0.00	0.27	0.28
DIOURBEL	Head marital status: Married polygam	0.44	0.05	0.35	0.54	0.49	0.00	0.48	0.49

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
SAINT-LOUIS	Head marital status: Married polygam	0.39	0.03	0.33	0.45	0.36	0.00	0.35	0.36
TAMBACOUNDA	Head marital status: Married polygam	0.41	0.03	0.35	0.47	0.43	0.00	0.43	0.44
KAOLACK	Head marital status: Married polygam	0.39	0.04	0.32	0.47	0.47	0.00	0.47	0.47
THIES	Head marital status: Married polygam	0.44	0.03	0.38	0.51	0.36	0.00	0.36	0.37
LOUGA	Head marital status: Married polygam	0.45	0.04	0.38	0.52	0.46	0.00	0.46	0.47
FATICK	Head marital status: Married polygam	0.42	0.04	0.35	0.50	0.39	0.00	0.38	0.39
KOLDA	Head marital status: Married polygam	0.52	0.04	0.45	0.59	0.49	0.00	0.48	0.49
MATAM	Head marital status: Married polygam	0.26	0.04	0.18	0.34	0.34	0.00	0.34	0.35
KAFFRINE	Head marital status: Married polygam	0.47	0.05	0.38	0.56	0.55	0.00	0.54	0.55
KEDOUGOU	Head marital status: Married polygam	0.48	0.04	0.40	0.56	0.48	0.00	0.47	0.49
SEDHIOU	Head marital status: Married polygam	0.57	0.04	0.50	0.64	0.52	0.00	0.52	0.53
DAKAR	Head marital status: Single	0.02	0.01	0.01	0.03	0.05	0.00	0.05	0.05
ZIGUINCHOR	Head marital status: Single	0.04	0.01	0.01	0.06	0.05	0.00	0.05	0.05
DIORBEL	Head marital status: Single	0.01	0.00	0.00	0.01	0.02	0.00	0.01	0.02
SAINT-LOUIS	Head marital status: Single	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
TAMBACOUNDA	Head marital status: Single	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
KAOLACK	Head marital status: Single	0.02	0.01	-0.01	0.04	0.02	0.00	0.02	0.02
THIES	Head marital status: Single	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
LOUGA	Head marital status: Single	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
FATICK	Head marital status: Single	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
KOLDA	Head marital status: Single	0.01	0.01	0.00	0.03	0.02	0.00	0.02	0.02
MATAM	Head marital status: Single	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.02
KAFFRINE	Head marital status: Single	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
KEDOUGOU	Head marital status: Single	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
SEDHIOU	Head marital status: Single	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
DAKAR	Head marital status: Widowed	0.20	0.02	0.15	0.25	0.09	0.00	0.09	0.09
ZIGUINCHOR	Head marital status: Widowed	0.14	0.03	0.09	0.19	0.09	0.00	0.08	0.09
DIORBEL	Head marital status: Widowed	0.09	0.02	0.05	0.13	0.04	0.00	0.03	0.04
SAINT-LOUIS	Head marital status: Widowed	0.10	0.02	0.06	0.13	0.07	0.00	0.06	0.07
TAMBACOUNDA	Head marital status: Widowed	0.06	0.01	0.04	0.09	0.03	0.00	0.02	0.03
KAOLACK	Head marital status: Widowed	0.08	0.02	0.05	0.11	0.05	0.00	0.05	0.05
THIES	Head marital status: Widowed	0.10	0.02	0.07	0.14	0.06	0.00	0.06	0.07
LOUGA	Head marital status: Widowed	0.05	0.01	0.02	0.07	0.03	0.00	0.03	0.03
FATICK	Head marital status: Widowed	0.08	0.02	0.04	0.11	0.04	0.00	0.04	0.04
KOLDA	Head marital status: Widowed	0.02	0.01	0.01	0.04	0.02	0.00	0.02	0.02

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>MATAM</b>	Head marital status: Widowed	0.13	0.03	0.08	0.18	0.05	0.00	0.05	0.05
<b>KAFFRINE</b>	Head marital status: Widowed	0.02	0.01	0.01	0.03	0.02	0.00	0.01	0.02
<b>KEDOUGOU</b>	Head marital status: Widowed	0.04	0.01	0.02	0.07	0.02	0.00	0.02	0.02
<b>SEDHIOU</b>	Head marital status: Widowed	0.05	0.01	0.03	0.07	0.03	0.00	0.03	0.03
<b>DAKAR</b>	Head: Highest level of education completed: Tertiary	0.06	0.01	0.04	0.08	0.11	0.00	0.11	0.11
<b>ZIGUINCHOR</b>	Head: Highest level of education completed: Tertiary	0.05	0.02	0.01	0.09	0.04	0.00	0.04	0.05
<b>DIOURBEL</b>	Head: Highest level of education completed: Tertiary	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
<b>SAINT-LOUIS</b>	Head: Highest level of education completed: Tertiary	0.02	0.01	0.01	0.04	0.03	0.00	0.03	0.03
<b>TAMBACOUNDA</b>	Head: Highest level of education completed: Tertiary	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.02
<b>KAOLACK</b>	Head: Highest level of education completed: Tertiary	0.01	0.01	0.00	0.03	0.03	0.00	0.02	0.03
<b>THIES</b>	Head: Highest level of education completed: Tertiary	0.01	0.01	0.00	0.03	0.03	0.00	0.03	0.04
<b>LOUGA</b>	Head: Highest level of education completed: Tertiary	0.00	0.00	0.00	0.01	0.02	0.00	0.01	0.02
<b>FATICK</b>	Head: Highest level of education completed: Tertiary	0.01	0.00	0.01	0.02	0.02	0.00	0.02	0.02
<b>KOLDA</b>	Head: Highest level of education completed: Tertiary	0.02	0.01	0.01	0.03	0.02	0.00	0.02	0.02
<b>MATAM</b>	Head: Highest level of education completed: Tertiary	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAFFRINE</b>	Head: Highest level of education completed: Tertiary	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KEDOUGOU</b>	Head: Highest level of education completed: Tertiary	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.02
<b>SEDHIOU</b>	Head: Highest level of education completed: Tertiary	0.01	0.00	0.00	0.01	0.02	0.00	0.02	0.02
<b>DAKAR</b>	Head: Highest level of education completed: Middle	0.13	0.02	0.09	0.16	0.13	0.00	0.13	0.13
<b>ZIGUINCHOR</b>	Head: Highest level of education completed: Middle	0.11	0.02	0.06	0.16	0.12	0.00	0.12	0.12
<b>DIOURBEL</b>	Head: Highest level of education completed: Middle	0.01	0.00	0.00	0.01	0.03	0.00	0.03	0.03
<b>SAINT-LOUIS</b>	Head: Highest level of education completed: Middle	0.07	0.01	0.04	0.09	0.06	0.00	0.06	0.06
<b>TAMBACOUNDA</b>	Head: Highest level of education completed: Middle	0.04	0.01	0.02	0.06	0.03	0.00	0.03	0.04
<b>KAOLACK</b>	Head: Highest level of education completed: Middle	0.05	0.01	0.02	0.08	0.06	0.00	0.06	0.07
<b>THIES</b>	Head: Highest level of education completed: Middle	0.06	0.01	0.03	0.08	0.07	0.00	0.07	0.07
<b>LOUGA</b>	Head: Highest level of education completed: Middle	0.03	0.01	0.01	0.04	0.03	0.00	0.03	0.03

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
FATICK	Head: Highest level of education completed: Middle	0.03	0.01	0.01	0.05	0.06	0.00	0.06	0.06
KOLDA	Head: Highest level of education completed: Middle	0.05	0.01	0.02	0.07	0.04	0.00	0.04	0.04
MATAM	Head: Highest level of education completed: Middle	0.03	0.02	0.00	0.06	0.02	0.00	0.02	0.02
KAFFRINE	Head: Highest level of education completed: Middle	0.03	0.01	0.00	0.05	0.02	0.00	0.02	0.02
KEDOUGOU	Head: Highest level of education completed: Middle	0.05	0.02	0.02	0.08	0.05	0.00	0.05	0.05
SEDHIOU	Head: Highest level of education completed: Middle	0.04	0.01	0.02	0.06	0.05	0.00	0.05	0.06
DAKAR	Head: Highest level of education completed: Other/pre-school/other	0.52	0.03	0.46	0.58	0.45	0.00	0.45	0.45
ZIGUINCHOR	Head: Highest level of education completed: Other/pre-school/other	0.47	0.04	0.39	0.55	0.50	0.00	0.49	0.50
DIORBEL	Head: Highest level of education completed: Other/pre-school/other	0.90	0.03	0.84	0.96	0.87	0.00	0.87	0.87
SAINT-LOUIS	Head: Highest level of education completed: Other/pre-school/other	0.74	0.03	0.69	0.79	0.74	0.00	0.73	0.74
TAMBACOUNDA	Head: Highest level of education completed: Other/pre-school/other	0.80	0.02	0.76	0.85	0.85	0.00	0.84	0.85
KAOLACK	Head: Highest level of education completed: Other/pre-school/other	0.78	0.04	0.71	0.85	0.74	0.00	0.73	0.74
THIES	Head: Highest level of education completed: Other/pre-school/other	0.74	0.03	0.69	0.79	0.70	0.00	0.70	0.71
LOUGA	Head: Highest level of education completed: Other/pre-school/other	0.92	0.01	0.89	0.94	0.85	0.00	0.85	0.86
FATICK	Head: Highest level of education completed: Other/pre-school/other	0.82	0.03	0.76	0.87	0.72	0.00	0.72	0.73
KOLDA	Head: Highest level of education completed: Other/pre-school/other	0.85	0.02	0.81	0.89	0.81	0.00	0.80	0.81
MATAM	Head: Highest level of education completed: Other/pre-school/other	0.88	0.03	0.83	0.93	0.90	0.00	0.89	0.90
KAFFRINE	Head: Highest level of education completed: Other/pre-school/other	0.88	0.03	0.83	0.93	0.89	0.00	0.89	0.89
KEDOUGOU	Head: Highest level of education completed: Other/pre-school/other	0.77	0.03	0.71	0.83	0.76	0.00	0.75	0.76
SEDHIOU	Head: Highest level of education completed: Other/pre-school/other	0.81	0.03	0.76	0.86	0.78	0.00	0.78	0.79

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>DAKAR</b>	Head: Highest level of education completed: Primary	0.23	0.02	0.18	0.28	0.21	0.00	0.21	0.21
<b>ZIGUINCHOR</b>	Head: Highest level of education completed: Primary	0.27	0.04	0.20	0.34	0.25	0.00	0.24	0.25
<b>DIOURBEL</b>	Head: Highest level of education completed: Primary	0.08	0.03	0.02	0.13	0.07	0.00	0.07	0.07
<b>SAINT-LOUIS</b>	Head: Highest level of education completed: Primary	0.15	0.02	0.11	0.19	0.14	0.00	0.14	0.14
<b>TAMBACOUNDA</b>	Head: Highest level of education completed: Primary	0.09	0.02	0.06	0.13	0.08	0.00	0.08	0.09
<b>KAOLACK</b>	Head: Highest level of education completed: Primary	0.12	0.03	0.06	0.18	0.13	0.00	0.13	0.13
<b>THIES</b>	Head: Highest level of education completed: Primary	0.15	0.02	0.11	0.19	0.14	0.00	0.14	0.14
<b>LOUGA</b>	Head: Highest level of education completed: Primary	0.04	0.01	0.02	0.06	0.08	0.00	0.07	0.08
<b>FATICK</b>	Head: Highest level of education completed: Primary	0.13	0.02	0.09	0.18	0.16	0.00	0.16	0.17
<b>KOLDA</b>	Head: Highest level of education completed: Primary	0.06	0.01	0.04	0.09	0.10	0.00	0.10	0.11
<b>MATAM</b>	Head: Highest level of education completed: Primary	0.07	0.02	0.03	0.11	0.07	0.00	0.06	0.07
<b>KAFFRINE</b>	Head: Highest level of education completed: Primary	0.08	0.02	0.04	0.13	0.06	0.00	0.06	0.06
<b>KEDOUGOU</b>	Head: Highest level of education completed: Primary	0.15	0.03	0.10	0.20	0.15	0.00	0.15	0.16
<b>SEDHIOU</b>	Head: Highest level of education completed: Primary	0.12	0.02	0.08	0.17	0.10	0.00	0.10	0.11
<b>DAKAR</b>	Head: Highest level of education completed: Secondary	0.07	0.01	0.04	0.09	0.10	0.00	0.10	0.10
<b>ZIGUINCHOR</b>	Head: Highest level of education completed: Secondary	0.09	0.03	0.04	0.14	0.09	0.00	0.09	0.09
<b>DIOURBEL</b>	Head: Highest level of education completed: Secondary	0.01	0.00	0.00	0.01	0.02	0.00	0.02	0.02
<b>SAINT-LOUIS</b>	Head: Highest level of education completed: Secondary	0.02	0.01	0.01	0.04	0.04	0.00	0.04	0.04
<b>TAMBACOUNDA</b>	Head: Highest level of education completed: Secondary	0.05	0.01	0.02	0.08	0.02	0.00	0.02	0.02
<b>KAOLACK</b>	Head: Highest level of education completed: Secondary	0.04	0.02	0.00	0.07	0.04	0.00	0.04	0.05
<b>THIES</b>	Head: Highest level of education completed: Secondary	0.03	0.01	0.01	0.05	0.05	0.00	0.05	0.05
<b>LOUGA</b>	Head: Highest level of education completed: Secondary	0.01	0.00	0.00	0.01	0.02	0.00	0.02	0.02
<b>FATICK</b>	Head: Highest level of education completed: Secondary	0.01	0.00	0.00	0.02	0.03	0.00	0.03	0.04
<b>KOLDA</b>	Head: Highest level of education completed: Secondary	0.03	0.01	0.01	0.04	0.03	0.00	0.03	0.03
<b>MATAM</b>	Head: Highest level of education completed: Secondary	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>KAFFRINE</b>	Head: Highest level of education completed: Secondary	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.02
<b>KEDOUGOU</b>	Head: Highest level of education completed: Secondary	0.01	0.00	0.00	0.02	0.03	0.00	0.02	0.03
<b>SEDHIOU</b>	Head: Highest level of education completed: Secondary	0.03	0.01	0.01	0.04	0.04	0.00	0.04	0.04
<b>DAKAR</b>	Household head is male	0.64	0.02	0.59	0.69	0.71	0.00	0.71	0.71
<b>ZIGUINCHOR</b>	Household head is male	0.70	0.03	0.64	0.76	0.73	0.00	0.72	0.73
<b>DIOURBEL</b>	Household head is male	0.67	0.04	0.59	0.76	0.75	0.00	0.75	0.76
<b>SAINT-LOUIS</b>	Household head is male	0.69	0.03	0.64	0.74	0.76	0.00	0.76	0.77
<b>TAMBACOUNDA</b>	Household head is male	0.84	0.02	0.80	0.87	0.87	0.00	0.87	0.88
<b>KAOLACK</b>	Household head is male	0.79	0.03	0.74	0.85	0.81	0.00	0.81	0.82
<b>THIES</b>	Household head is male	0.72	0.02	0.68	0.77	0.76	0.00	0.76	0.77
<b>LOUGA</b>	Household head is male	0.83	0.02	0.79	0.87	0.84	0.00	0.83	0.84
<b>FATICK</b>	Household head is male	0.73	0.03	0.67	0.79	0.81	0.00	0.80	0.81
<b>KOLDA</b>	Household head is male	0.90	0.02	0.87	0.93	0.90	0.00	0.89	0.90
<b>MATAM</b>	Household head is male	0.73	0.03	0.67	0.79	0.78	0.00	0.78	0.79
<b>KAFFRINE</b>	Household head is male	0.92	0.01	0.89	0.95	0.93	0.00	0.93	0.93
<b>KEDOUGOU</b>	Household head is male	0.91	0.02	0.87	0.94	0.88	0.00	0.87	0.88
<b>SEDHIOU</b>	Household head is male	0.90	0.02	0.87	0.94	0.89	0.00	0.89	0.89
<b>DAKAR</b>	Household lives in urban area	0.98	0.00	0.97	0.98	0.96	0.00	0.96	0.96
<b>ZIGUINCHOR</b>	Household lives in urban area	0.46	0.03	0.40	0.53	0.46	0.00	0.45	0.46
<b>DIOURBEL</b>	Household lives in urban area	0.15	0.02	0.12	0.18	0.16	0.00	0.16	0.17
<b>SAINT-LOUIS</b>	Household lives in urban area	0.57	0.03	0.52	0.63	0.42	0.00	0.41	0.42
<b>TAMBACOUNDA</b>	Household lives in urban area	0.42	0.03	0.36	0.47	0.30	0.00	0.30	0.31
<b>KAOLACK</b>	Household lives in urban area	0.37	0.03	0.31	0.44	0.41	0.00	0.40	0.41
<b>THIES</b>	Household lives in urban area	0.49	0.03	0.44	0.54	0.52	0.00	0.52	0.52
<b>LOUGA</b>	Household lives in urban area	0.25	0.02	0.21	0.29	0.22	0.00	0.22	0.22
<b>FATICK</b>	Household lives in urban area	0.19	0.02	0.16	0.23	0.14	0.00	0.14	0.14
<b>KOLDA</b>	Household lives in urban area	0.32	0.02	0.27	0.37	0.31	0.00	0.30	0.31
<b>MATAM</b>	Household lives in urban area	0.17	0.02	0.14	0.20	0.16	0.00	0.16	0.17
<b>KAFFRINE</b>	Household lives in urban area	0.14	0.01	0.12	0.17	0.15	0.00	0.15	0.16
<b>KEDOUGOU</b>	Household lives in urban area	0.21	0.02	0.17	0.25	0.27	0.00	0.26	0.27
<b>SEDHIOU</b>	Household lives in urban area	0.18	0.02	0.15	0.21	0.20	0.00	0.19	0.20
<b>DAKAR</b>	Household possesses: Agricultural land	0.01	0.00	0.01	0.02	0.02	0.00	0.02	0.02
<b>ZIGUINCHOR</b>	Household possesses: Agricultural land	0.57	0.03	0.50	0.64	0.34	0.00	0.33	0.34
<b>DIOURBEL</b>	Household possesses: Agricultural land	0.40	0.04	0.32	0.47	0.25	0.00	0.25	0.26
<b>SAINT-LOUIS</b>	Household possesses: Agricultural land	0.42	0.03	0.36	0.47	0.35	0.00	0.34	0.35

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>TAMBACOUNDA</b>	Household possesses: Agricultural land	0.67	0.03	0.62	0.72	0.54	0.00	0.54	0.55
<b>KAOLACK</b>	Household possesses: Agricultural land	0.58	0.03	0.51	0.65	0.44	0.00	0.43	0.44
<b>THIES</b>	Household possesses: Agricultural land	0.46	0.03	0.41	0.51	0.34	0.00	0.33	0.34
<b>LOUGA</b>	Household possesses: Agricultural land	0.62	0.03	0.56	0.67	0.52	0.00	0.52	0.52
<b>FATICK</b>	Household possesses: Agricultural land	0.81	0.02	0.77	0.85	0.65	0.00	0.64	0.65
<b>KOLDA</b>	Household possesses: Agricultural land	0.59	0.03	0.54	0.65	0.61	0.00	0.60	0.61
<b>MATAM</b>	Household possesses: Agricultural land	0.72	0.03	0.66	0.78	0.57	0.00	0.57	0.58
<b>KAFFRINE</b>	Household possesses: Agricultural land	0.81	0.02	0.76	0.86	0.73	0.00	0.73	0.74
<b>KEDOUGOU</b>	Household possesses: Agricultural land	0.85	0.02	0.81	0.89	0.54	0.00	0.53	0.54
<b>SEDHIOU</b>	Household possesses: Agricultural land	0.86	0.02	0.82	0.89	0.71	0.00	0.71	0.72
<b>DAKAR</b>	Household possesses: Cattle	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>ZIGUINCHOR</b>	Household possesses: Cattle	0.15	0.03	0.10	0.20	0.08	0.00	0.08	0.09
<b>DIORBEL</b>	Household possesses: Cattle	0.07	0.02	0.04	0.10	0.05	0.00	0.05	0.05
<b>SAINT-LOUIS</b>	Household possesses: Cattle	0.22	0.02	0.17	0.26	0.18	0.00	0.18	0.18
<b>TAMBACOUNDA</b>	Household possesses: Cattle	0.31	0.03	0.25	0.36	0.19	0.00	0.19	0.19
<b>KAOLACK</b>	Household possesses: Cattle	0.21	0.03	0.15	0.26	0.11	0.00	0.11	0.11
<b>THIES</b>	Household possesses: Cattle	0.11	0.02	0.08	0.14	0.06	0.00	0.06	0.06
<b>LOUGA</b>	Household possesses: Cattle	0.37	0.03	0.31	0.43	0.22	0.00	0.22	0.22
<b>FATICK</b>	Household possesses: Cattle	0.20	0.03	0.15	0.26	0.15	0.00	0.15	0.15
<b>KOLDA</b>	Household possesses: Cattle	0.30	0.03	0.24	0.35	0.23	0.00	0.22	0.23
<b>MATAM</b>	Household possesses: Cattle	0.33	0.03	0.27	0.40	0.25	0.00	0.25	0.25
<b>KAFFRINE</b>	Household possesses: Cattle	0.19	0.03	0.13	0.25	0.17	0.00	0.17	0.17
<b>KEDOUGOU</b>	Household possesses: Cattle	0.46	0.03	0.39	0.53	0.21	0.00	0.21	0.22
<b>SEDHIOU</b>	Household possesses: Cattle	0.32	0.03	0.26	0.39	0.20	0.00	0.20	0.20
<b>DAKAR</b>	Household possesses: Donkeys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Household possesses: Donkeys	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>DIORBEL</b>	Household possesses: Donkeys	0.25	0.04	0.18	0.33	0.10	0.00	0.10	0.10
<b>SAINT-LOUIS</b>	Household possesses: Donkeys	0.01	0.01	0.00	0.02	0.12	0.00	0.12	0.12
<b>TAMBACOUNDA</b>	Household possesses: Donkeys	0.40	0.03	0.34	0.45	0.21	0.00	0.20	0.21
<b>KAOLACK</b>	Household possesses: Donkeys	0.26	0.03	0.21	0.32	0.18	0.00	0.17	0.18
<b>THIES</b>	Household possesses: Donkeys	0.17	0.02	0.13	0.21	0.09	0.00	0.09	0.09
<b>LOUGA</b>	Household possesses: Donkeys	0.45	0.03	0.38	0.51	0.26	0.00	0.26	0.27
<b>FATICK</b>	Household possesses: Donkeys	0.36	0.03	0.30	0.42	0.23	0.00	0.23	0.23
<b>KOLDA</b>	Household possesses: Donkeys	0.27	0.03	0.21	0.33	0.19	0.00	0.18	0.19

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>MATAM</b>	Household possesses: Donkeys	0.23	0.03	0.17	0.29	0.17	0.00	0.17	0.17
<b>KAFFRINE</b>	Household possesses: Donkeys	0.20	0.03	0.15	0.25	0.25	0.00	0.25	0.26
<b>KEDOUGOU</b>	Household possesses: Donkeys	0.09	0.02	0.05	0.14	0.04	0.00	0.04	0.04
<b>SEDHIOU</b>	Household possesses: Donkeys	0.18	0.03	0.12	0.23	0.13	0.00	0.13	0.14
<b>DAKAR</b>	Household possesses: Goats	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>ZIGUINCHOR</b>	Household possesses: Goats	0.26	0.03	0.20	0.32	0.13	0.00	0.12	0.13
<b>DIORBEL</b>	Household possesses: Goats	0.22	0.03	0.16	0.27	0.11	0.00	0.11	0.11
<b>SAINT-LOUIS</b>	Household possesses: Goats	0.27	0.03	0.22	0.32	0.20	0.00	0.20	0.20
<b>TAMBACOUNDA</b>	Household possesses: Goats	0.44	0.03	0.38	0.50	0.19	0.00	0.18	0.19
<b>KAOLACK</b>	Household possesses: Goats	0.34	0.03	0.28	0.40	0.19	0.00	0.19	0.20
<b>THIES</b>	Household possesses: Goats	0.21	0.02	0.17	0.26	0.09	0.00	0.09	0.09
<b>LOUGA</b>	Household possesses: Goats	0.42	0.03	0.36	0.48	0.25	0.00	0.25	0.25
<b>FATICK</b>	Household possesses: Goats	0.45	0.03	0.38	0.51	0.33	0.00	0.33	0.33
<b>KOLDA</b>	Household possesses: Goats	0.37	0.03	0.31	0.43	0.21	0.00	0.21	0.22
<b>MATAM</b>	Household possesses: Goats	0.38	0.03	0.31	0.45	0.29	0.00	0.28	0.29
<b>KAFFRINE</b>	Household possesses: Goats	0.27	0.03	0.21	0.33	0.25	0.00	0.24	0.25
<b>KEDOUGOU</b>	Household possesses: Goats	0.34	0.03	0.28	0.41	0.12	0.00	0.12	0.13
<b>SEDHIOU</b>	Household possesses: Goats	0.48	0.03	0.42	0.55	0.23	0.00	0.23	0.24
<b>DAKAR</b>	Household possesses: Horses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Household possesses: Horses	0.01	0.01	0.00	0.03	0.00	0.00	0.00	0.00
<b>DIORBEL</b>	Household possesses: Horses	0.25	0.04	0.18	0.32	0.10	0.00	0.09	0.10
<b>SAINT-LOUIS</b>	Household possesses: Horses	0.02	0.01	0.00	0.03	0.08	0.00	0.07	0.08
<b>TAMBACOUNDA</b>	Household possesses: Horses	0.18	0.02	0.14	0.23	0.13	0.00	0.13	0.14
<b>KAOLACK</b>	Household possesses: Horses	0.30	0.03	0.24	0.36	0.16	0.00	0.16	0.16
<b>THIES</b>	Household possesses: Horses	0.21	0.02	0.17	0.25	0.09	0.00	0.09	0.10
<b>LOUGA</b>	Household possesses: Horses	0.42	0.03	0.36	0.48	0.21	0.00	0.21	0.21
<b>FATICK</b>	Household possesses: Horses	0.40	0.03	0.34	0.47	0.21	0.00	0.21	0.21
<b>KOLDA</b>	Household possesses: Horses	0.09	0.02	0.06	0.13	0.06	0.00	0.06	0.06
<b>MATAM</b>	Household possesses: Horses	0.25	0.03	0.19	0.32	0.14	0.00	0.13	0.14
<b>KAFFRINE</b>	Household possesses: Horses	0.23	0.03	0.18	0.29	0.28	0.00	0.28	0.29
<b>KEDOUGOU</b>	Household possesses: Horses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>SEDHIOU</b>	Household possesses: Horses	0.07	0.02	0.03	0.11	0.04	0.00	0.04	0.04
<b>DAKAR</b>	Household possesses: Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Household possesses: Other	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.02
<b>DIORBEL</b>	Household possesses: Other	0.02	0.01	0.00	0.04	0.01	0.00	0.01	0.01
<b>SAINT-LOUIS</b>	Household possesses: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>TAMBACOUNDA</b>	Household possesses: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAOLACK</b>	Household possesses: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>THIES</b>	Household possesses: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>LOUGA</b>	Household possesses: Other	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
FATICK	Household possesses: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
KOLDA	Household possesses: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
MATAM	Household possesses: Other	0.01	0.01	-0.01	0.02	0.02	0.00	0.02	0.02
KAFFRINE	Household possesses: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
KEDOUGOU	Household possesses: Other	0.01	0.01	-0.01	0.02	0.01	0.00	0.01	0.01
SEDHIOU	Household possesses: Other	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.02
DAKAR	Household possesses: Pigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIGUINCHOR	Household possesses: Pigs	0.08	0.02	0.05	0.12	0.06	0.00	0.06	0.07
DIORBEL	Household possesses: Pigs	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
SAINT-LOUIS	Household possesses: Pigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAMBACOUNDA	Household possesses: Pigs	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
KAOLACK	Household possesses: Pigs	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
THIES	Household possesses: Pigs	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
LOUGA	Household possesses: Pigs	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
FATICK	Household possesses: Pigs	0.07	0.02	0.03	0.11	0.07	0.00	0.07	0.07
KOLDA	Household possesses: Pigs	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
MATAM	Household possesses: Pigs	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
KAFFRINE	Household possesses: Pigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KEDOUGOU	Household possesses: Pigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
SEDHIOU	Household possesses: Pigs	0.04	0.01	0.02	0.07	0.04	0.00	0.04	0.04
DAKAR	Household possesses: Poultry	0.03	0.01	0.01	0.04	0.03	0.00	0.03	0.03
ZIGUINCHOR	Household possesses: Poultry	0.37	0.03	0.31	0.44	0.31	0.00	0.31	0.32
DIORBEL	Household possesses: Poultry	0.28	0.04	0.20	0.36	0.18	0.00	0.18	0.18
SAINT-LOUIS	Household possesses: Poultry	0.12	0.02	0.08	0.15	0.15	0.00	0.15	0.16
TAMBACOUNDA	Household possesses: Poultry	0.35	0.03	0.29	0.40	0.23	0.00	0.22	0.23
KAOLACK	Household possesses: Poultry	0.42	0.03	0.35	0.48	0.30	0.00	0.30	0.30
THIES	Household possesses: Poultry	0.31	0.02	0.26	0.35	0.20	0.00	0.20	0.21
LOUGA	Household possesses: Poultry	0.42	0.03	0.36	0.48	0.29	0.00	0.28	0.29
FATICK	Household possesses: Poultry	0.46	0.03	0.39	0.52	0.48	0.00	0.47	0.48
KOLDA	Household possesses: Poultry	0.34	0.03	0.29	0.40	0.33	0.00	0.33	0.33
MATAM	Household possesses: Poultry	0.29	0.03	0.23	0.36	0.23	0.00	0.23	0.24
KAFFRINE	Household possesses: Poultry	0.34	0.03	0.28	0.41	0.35	0.00	0.35	0.36
KEDOUGOU	Household possesses: Poultry	0.48	0.03	0.41	0.55	0.23	0.00	0.23	0.24
SEDHIOU	Household possesses: Poultry	0.43	0.03	0.36	0.50	0.41	0.00	0.41	0.42
DAKAR	Household possesses: Sheep	0.06	0.01	0.04	0.09	0.06	0.00	0.06	0.06
ZIGUINCHOR	Household possesses: Sheep	0.07	0.02	0.03	0.10	0.07	0.00	0.07	0.07
DIORBEL	Household possesses: Sheep	0.44	0.04	0.36	0.53	0.15	0.00	0.15	0.15
SAINT-LOUIS	Household possesses: Sheep	0.38	0.03	0.33	0.43	0.29	0.00	0.29	0.30
TAMBACOUNDA	Household possesses: Sheep	0.40	0.03	0.35	0.46	0.19	0.00	0.18	0.19
KAOLACK	Household possesses: Sheep	0.26	0.03	0.20	0.32	0.12	0.00	0.12	0.12

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
THIES	Household possesses: Sheep	0.31	0.02	0.26	0.36	0.15	0.00	0.15	0.16
LOUGA	Household possesses: Sheep	0.67	0.03	0.62	0.72	0.43	0.00	0.43	0.43
FATICK	Household possesses: Sheep	0.40	0.03	0.33	0.46	0.19	0.00	0.18	0.19
KOLDA	Household possesses: Sheep	0.27	0.03	0.22	0.33	0.22	0.00	0.21	0.22
MATAM	Household possesses: Sheep	0.64	0.03	0.57	0.70	0.44	0.00	0.43	0.44
KAFFRINE	Household possesses: Sheep	0.24	0.03	0.18	0.30	0.19	0.00	0.18	0.19
KEDOUGOU	Household possesses: Sheep	0.33	0.03	0.27	0.40	0.12	0.00	0.12	0.13
SEDHIOU	Household possesses: Sheep	0.24	0.03	0.19	0.30	0.20	0.00	0.19	0.20
DAKAR	Household size	7.32	0.24	6.84	7.79	6.25	0.01	6.24	6.27
ZIGUINCHOR	Household size	7.39	0.32	6.77	8.01	7.15	0.02	7.11	7.18
DIORBEL	Household size	10.76	0.41	9.95	11.57	9.28	0.01	9.26	9.31
SAINT-LOUIS	Household size	9.45	0.29	8.88	10.01	8.06	0.02	8.03	8.09
TAMBACOUNDA	Household size	10.02	0.30	9.43	10.60	9.38	0.03	9.33	9.43
KAOLACK	Household size	10.11	0.35	9.42	10.80	9.84	0.02	9.80	9.88
THIES	Household size	10.43	0.34	9.76	11.09	9.06	0.01	9.03	9.09
LOUGA	Household size	8.98	0.27	8.46	9.51	8.79	0.02	8.75	8.82
FATICK	Household size	9.94	0.36	9.23	10.66	9.72	0.02	9.68	9.77
KOLDA	Household size	10.84	0.38	10.09	11.59	9.19	0.02	9.15	9.24
MATAM	Household size	9.29	0.40	8.50	10.09	10.02	0.03	9.97	10.08
KAFFRINE	Household size	10.76	0.47	9.84	11.68	10.16	0.03	10.11	10.21
KEDOUGOU	Household size	8.90	0.37	8.18	9.62	7.48	0.04	7.40	7.56
SEDHIOU	Household size	10.44	0.39	9.68	11.19	10.82	0.03	10.75	10.89
DAKAR	Household size logged	1.74	0.04	1.67	1.82	1.52	0.00	1.52	1.52
ZIGUINCHOR	Household size logged	1.76	0.05	1.65	1.86	1.68	0.00	1.68	1.69
DIORBEL	Household size logged	2.22	0.05	2.12	2.31	2.04	0.00	2.04	2.04
SAINT-LOUIS	Household size logged	2.08	0.03	2.02	2.14	1.87	0.00	1.87	1.88
TAMBACOUNDA	Household size logged	2.12	0.03	2.05	2.19	1.96	0.00	1.95	1.97
KAOLACK	Household size logged	2.17	0.04	2.10	2.24	2.08	0.00	2.08	2.08
THIES	Household size logged	2.14	0.04	2.07	2.21	1.95	0.00	1.95	1.96
LOUGA	Household size logged	2.07	0.03	2.01	2.13	1.97	0.00	1.97	1.98
FATICK	Household size logged	2.14	0.04	2.06	2.22	2.07	0.00	2.07	2.08
KOLDA	Household size logged	2.19	0.04	2.12	2.26	2.00	0.00	1.99	2.00
MATAM	Household size logged	2.03	0.04	1.95	2.12	2.08	0.00	2.07	2.09
KAFFRINE	Household size logged	2.19	0.04	2.10	2.27	2.15	0.00	2.15	2.16
KEDOUGOU	Household size logged	2.01	0.04	1.93	2.09	1.75	0.01	1.74	1.76
SEDHIOU	Household size logged	2.18	0.04	2.10	2.25	2.19	0.00	2.18	2.19
DAKAR	Household size squared	78.42	5.31	68.02	88.83	63.98	0.17	63.64	64.32
ZIGUINCHOR	Household size squared	77.11	6.59	64.20	90.02	76.69	0.45	75.82	77.57
DIORBEL	Household size squared	147.10	10.47	126.58	167.62	117.94	0.43	117.11	118.77
SAINT-LOUIS	Household size squared	118.57	8.01	102.88	134.27	91.33	0.42	90.51	92.16

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>TAMBACOUNDA</b>	Household size squared	135.97	8.42	119.46	152.47	136.45	0.91	134.68	138.23
<b>KAOLACK</b>	Household size squared	130.29	10.10	110.50	150.08	132.82	0.59	131.67	133.97
<b>THIES</b>	Household size squared	148.92	10.40	128.54	169.31	119.20	0.41	118.40	120.01
<b>LOUGA</b>	Household size squared	100.19	6.56	87.32	113.06	108.04	0.52	107.01	109.06
<b>FATICK</b>	Household size squared	128.47	9.96	108.94	148.00	129.57	0.68	128.24	130.90
<b>KOLDA</b>	Household size squared	161.56	11.59	138.86	184.27	119.34	0.67	118.03	120.64
<b>MATAM</b>	Household size squared	120.80	11.67	97.93	143.67	145.65	0.99	143.72	147.59
<b>KAFFRINE</b>	Household size squared	156.64	16.14	125.00	188.28	136.74	0.77	135.22	138.25
<b>KEDOUGOU</b>	Household size squared	109.35	10.57	88.64	130.06	86.93	1.17	84.63	89.22
<b>SEDHIOU</b>	Household size squared	146.09	10.81	124.90	167.27	160.29	1.10	158.13	162.46
<b>DAKAR</b>	Household possesses: AC	0.04	0.01	0.02	0.07	0.06	0.00	0.06	0.06
<b>ZIGUINCHOR</b>	Household possesses: AC	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>DIORBEL</b>	Household possesses: AC	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>SAINT-LOUIS</b>	Household possesses: AC	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
<b>TAMBACOUNDA</b>	Household possesses: AC	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>KAOLACK</b>	Household possesses: AC	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
<b>THIES</b>	Household possesses: AC	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
<b>LOUGA</b>	Household possesses: AC	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>FATICK</b>	Household possesses: AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
<b>KOLDA</b>	Household possesses: AC	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
<b>MATAM</b>	Household possesses: AC	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAFFRINE</b>	Household possesses: AC	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>KEDOUGOU</b>	Household possesses: AC	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00
<b>SEDHIOU</b>	Household possesses: AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DAKAR</b>	Household possesses: Bicycle	0.03	0.01	0.01	0.05	0.01	0.00	0.01	0.02
<b>ZIGUINCHOR</b>	Household possesses: Bicycle	0.37	0.03	0.30	0.44	0.34	0.00	0.34	0.35
<b>DIORBEL</b>	Household possesses: Bicycle	0.02	0.01	0.00	0.05	0.02	0.00	0.02	0.02
<b>SAINT-LOUIS</b>	Household possesses: Bicycle	0.07	0.01	0.05	0.09	0.05	0.00	0.05	0.05
<b>TAMBACOUNDA</b>	Household possesses: Bicycle	0.43	0.03	0.37	0.49	0.48	0.00	0.48	0.49
<b>KAOLACK</b>	Household possesses: Bicycle	0.07	0.02	0.03	0.11	0.04	0.00	0.04	0.04
<b>THIES</b>	Household possesses: Bicycle	0.07	0.01	0.05	0.10	0.04	0.00	0.04	0.04
<b>LOUGA</b>	Household possesses: Bicycle	0.02	0.01	0.00	0.03	0.02	0.00	0.02	0.02
<b>FATICK</b>	Household possesses: Bicycle	0.09	0.02	0.05	0.13	0.05	0.00	0.05	0.05
<b>KOLDA</b>	Household possesses: Bicycle	0.57	0.03	0.51	0.62	0.63	0.00	0.63	0.64
<b>MATAM</b>	Household possesses: Bicycle	0.04	0.01	0.01	0.06	0.05	0.00	0.05	0.06
<b>KAFFRINE</b>	Household possesses: Bicycle	0.10	0.02	0.05	0.15	0.06	0.00	0.06	0.06
<b>KEDOUGOU</b>	Household possesses: Bicycle	0.63	0.03	0.57	0.70	0.65	0.00	0.64	0.66
<b>SEDHIOU</b>	Household possesses: Bicycle	0.51	0.03	0.44	0.57	0.51	0.00	0.51	0.52
<b>DAKAR</b>	Household possesses: Canoe	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>ZIGUINCHOR</b>	Household possesses: Canoe	0.02	0.01	0.00	0.04	0.03	0.00	0.03	0.03

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>DIOURBEL</b>	Household possesses: Canoe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>SAINT-LOUIS</b>	Household possesses: Canoe	0.06	0.01	0.03	0.08	0.04	0.00	0.04	0.04
<b>TAMBACOUNDA</b>	Household possesses: Canoe	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
<b>KAOLACK</b>	Household possesses: Canoe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>THIES</b>	Household possesses: Canoe	0.02	0.01	0.01	0.04	0.02	0.00	0.02	0.02
<b>LOUGA</b>	Household possesses: Canoe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>FATICK</b>	Household possesses: Canoe	0.04	0.01	0.02	0.07	0.03	0.00	0.03	0.03
<b>KOLDA</b>	Household possesses: Canoe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>MATAM</b>	Household possesses: Canoe	0.01	0.01	0.00	0.03	0.02	0.00	0.02	0.02
<b>KAFFRINE</b>	Household possesses: Canoe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KEDOUGOU</b>	Household possesses: Canoe	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>SEDHIOU</b>	Household possesses: Canoe	0.03	0.01	0.01	0.05	0.02	0.00	0.02	0.03
<b>DAKAR</b>	Household possesses: Car or van/truck	0.06	0.01	0.04	0.09	0.15	0.00	0.15	0.15
<b>ZIGUINCHOR</b>	Household possesses: Car or van/truck	0.03	0.01	0.01	0.05	0.04	0.00	0.04	0.04
<b>DIOURBEL</b>	Household possesses: Car or van/truck	0.03	0.01	0.00	0.06	0.08	0.00	0.08	0.08
<b>SAINT-LOUIS</b>	Household possesses: Car or van/truck	0.05	0.01	0.03	0.07	0.05	0.00	0.05	0.05
<b>TAMBACOUNDA</b>	Household possesses: Car or van/truck	0.02	0.01	0.01	0.03	0.03	0.00	0.03	0.04
<b>KAOLACK</b>	Household possesses: Car or van/truck	0.02	0.01	0.00	0.04	0.05	0.00	0.05	0.05
<b>THIES</b>	Household possesses: Car or van/truck	0.03	0.01	0.01	0.04	0.10	0.00	0.10	0.10
<b>LOUGA</b>	Household possesses: Car or van/truck	0.03	0.01	0.01	0.05	0.07	0.00	0.07	0.07
<b>FATICK</b>	Household possesses: Car or van/truck	0.01	0.01	0.00	0.03	0.03	0.00	0.03	0.03
<b>KOLDA</b>	Household possesses: Car or van/truck	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
<b>MATAM</b>	Household possesses: Car or van/truck	0.02	0.01	0.00	0.04	0.03	0.00	0.03	0.04
<b>KAFFRINE</b>	Household possesses: Car or van/truck	0.03	0.01	0.00	0.05	0.03	0.00	0.03	0.03
<b>KEDOUGOU</b>	Household possesses: Car or van/truck	0.02	0.01	0.00	0.03	0.03	0.00	0.02	0.03
<b>SEDHIOU</b>	Household possesses: Car or van/truck	0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.02
<b>DAKAR</b>	Household possesses: Computer	0.25	0.02	0.21	0.29	0.26	0.00	0.26	0.26
<b>ZIGUINCHOR</b>	Household possesses: Computer	0.06	0.02	0.03	0.10	0.09	0.00	0.09	0.09
<b>DIOURBEL</b>	Household possesses: Computer	0.04	0.02	0.01	0.08	0.06	0.00	0.06	0.06
<b>SAINT-LOUIS</b>	Household possesses: Computer	0.09	0.02	0.06	0.12	0.08	0.00	0.08	0.08
<b>TAMBACOUNDA</b>	Household possesses: Computer	0.05	0.01	0.03	0.07	0.05	0.00	0.05	0.05
<b>KAOLACK</b>	Household possesses: Computer	0.05	0.02	0.02	0.08	0.07	0.00	0.07	0.07

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>THIES</b>	Household possesses: Computer	0.12	0.02	0.09	0.15	0.11	0.00	0.11	0.11
<b>LOUGA</b>	Household possesses: Computer	0.02	0.01	0.01	0.03	0.06	0.00	0.06	0.06
<b>FATICK</b>	Household possesses: Computer	0.03	0.01	0.02	0.05	0.05	0.00	0.05	0.06
<b>KOLDA</b>	Household possesses: Computer	0.02	0.01	0.01	0.03	0.04	0.00	0.04	0.04
<b>MATAM</b>	Household possesses: Computer	0.03	0.01	0.00	0.05	0.05	0.00	0.04	0.05
<b>KAFFRINE</b>	Household possesses: Computer	0.02	0.01	0.00	0.04	0.03	0.00	0.03	0.03
<b>KEDOUGOU</b>	Household possesses: Computer	0.03	0.01	0.02	0.05	0.04	0.00	0.04	0.04
<b>SEDHIOU</b>	Household possesses: Computer	0.01	0.00	0.00	0.02	0.03	0.00	0.03	0.03
<b>DAKAR</b>	Household possesses: Cooker	0.09	0.02	0.06	0.12	0.11	0.00	0.11	0.11
<b>ZIGUINCHOR</b>	Household possesses: Cooker	0.03	0.01	0.01	0.05	0.03	0.00	0.03	0.03
<b>DIOURBEL</b>	Household possesses: Cooker	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>SAINT-LOUIS</b>	Household possesses: Cooker	0.02	0.01	0.00	0.03	0.02	0.00	0.02	0.02
<b>TAMBACOUNDA</b>	Household possesses: Cooker	0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.02
<b>KAOLACK</b>	Household possesses: Cooker	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>THIES</b>	Household possesses: Cooker	0.02	0.01	0.01	0.03	0.03	0.00	0.03	0.03
<b>LOUGA</b>	Household possesses: Cooker	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>FATICK</b>	Household possesses: Cooker	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KOLDA</b>	Household possesses: Cooker	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>MATAM</b>	Household possesses: Cooker	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAFFRINE</b>	Household possesses: Cooker	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>KEDOUGOU</b>	Household possesses: Cooker	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
<b>SEDHIOU</b>	Household possesses: Cooker	0.01	0.00	0.00	0.01	0.03	0.00	0.02	0.03
<b>DAKAR</b>	Household possesses: Fan	0.72	0.02	0.68	0.77	0.63	0.00	0.62	0.63
<b>ZIGUINCHOR</b>	Household possesses: Fan	0.20	0.03	0.14	0.25	0.17	0.00	0.17	0.17
<b>DIOURBEL</b>	Household possesses: Fan	0.36	0.04	0.28	0.43	0.29	0.00	0.28	0.29
<b>SAINT-LOUIS</b>	Household possesses: Fan	0.32	0.02	0.27	0.37	0.23	0.00	0.23	0.24
<b>TAMBACOUNDA</b>	Household possesses: Fan	0.18	0.02	0.14	0.22	0.13	0.00	0.13	0.13
<b>KAOLACK</b>	Household possesses: Fan	0.29	0.03	0.22	0.35	0.24	0.00	0.24	0.24
<b>THIES</b>	Household possesses: Fan	0.40	0.02	0.35	0.45	0.35	0.00	0.35	0.36
<b>LOUGA</b>	Household possesses: Fan	0.22	0.02	0.18	0.27	0.19	0.00	0.19	0.19
<b>FATICK</b>	Household possesses: Fan	0.12	0.01	0.09	0.15	0.14	0.00	0.14	0.14
<b>KOLDA</b>	Household possesses: Fan	0.11	0.02	0.08	0.15	0.09	0.00	0.09	0.09
<b>MATAM</b>	Household possesses: Fan	0.14	0.02	0.09	0.18	0.10	0.00	0.10	0.11
<b>KAFFRINE</b>	Household possesses: Fan	0.10	0.02	0.06	0.13	0.07	0.00	0.07	0.07
<b>KEDOUGOU</b>	Household possesses: Fan	0.10	0.01	0.07	0.13	0.08	0.00	0.07	0.08
<b>SEDHIOU</b>	Household possesses: Fan	0.04	0.01	0.03	0.05	0.07	0.00	0.06	0.07
<b>DAKAR</b>	Household possesses: Fridge or freezer	0.46	0.02	0.42	0.51	0.44	0.00	0.44	0.44
<b>ZIGUINCHOR</b>	Household possesses: Fridge or freezer	0.16	0.03	0.11	0.21	0.16	0.00	0.16	0.16

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>DIOURBEL</b>	Household possesses: Fridge or freezer	0.17	0.03	0.10	0.24	0.16	0.00	0.16	0.16
<b>SAINT-LOUIS</b>	Household possesses: Fridge or freezer	0.21	0.02	0.17	0.26	0.18	0.00	0.18	0.18
<b>TAMBACOUNDA</b>	Household possesses: Fridge or freezer	0.12	0.01	0.09	0.15	0.11	0.00	0.11	0.11
<b>KAOLACK</b>	Household possesses: Fridge or freezer	0.15	0.03	0.10	0.20	0.15	0.00	0.14	0.15
<b>THIES</b>	Household possesses: Fridge or freezer	0.24	0.02	0.20	0.28	0.24	0.00	0.24	0.24
<b>LOUGA</b>	Household possesses: Fridge or freezer	0.13	0.02	0.10	0.17	0.13	0.00	0.12	0.13
<b>FATICK</b>	Household possesses: Fridge or freezer	0.06	0.01	0.04	0.08	0.10	0.00	0.09	0.10
<b>KOLDA</b>	Household possesses: Fridge or freezer	0.08	0.01	0.05	0.11	0.07	0.00	0.07	0.07
<b>MATAM</b>	Household possesses: Fridge or freezer	0.11	0.02	0.07	0.16	0.12	0.00	0.12	0.13
<b>KAFFRINE</b>	Household possesses: Fridge or freezer	0.05	0.01	0.02	0.07	0.05	0.00	0.05	0.05
<b>KEDOUGOU</b>	Household possesses: Fridge or freezer	0.08	0.01	0.05	0.10	0.07	0.00	0.06	0.07
<b>SEDHIOU</b>	Household possesses: Fridge or freezer	0.03	0.01	0.02	0.05	0.06	0.00	0.05	0.06
<b>DAKAR</b>	Household possesses: Generator	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>ZIGUINCHOR</b>	Household possesses: Generator	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
<b>DIOURBEL</b>	Household possesses: Generator	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>SAINT-LOUIS</b>	Household possesses: Generator	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00
<b>TAMBACOUNDA</b>	Household possesses: Generator	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>KAOLACK</b>	Household possesses: Generator	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
<b>THIES</b>	Household possesses: Generator	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>LOUGA</b>	Household possesses: Generator	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00
<b>FATICK</b>	Household possesses: Generator	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KOLDA</b>	Household possesses: Generator	0.02	0.01	0.00	0.04	0.01	0.00	0.01	0.01
<b>MATAM</b>	Household possesses: Generator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KAFFRINE</b>	Household possesses: Generator	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01
<b>KEDOUGOU</b>	Household possesses: Generator	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.02
<b>SEDHIOU</b>	Household possesses: Generator	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>DAKAR</b>	Household possesses: Iron	0.05	0.01	0.02	0.07	0.08	0.00	0.08	0.08
<b>ZIGUINCHOR</b>	Household possesses: Iron	0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.02
<b>DIOURBEL</b>	Household possesses: Iron	0.01	0.01	-0.01	0.02	0.01	0.00	0.01	0.01
<b>SAINT-LOUIS</b>	Household possesses: Iron	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
<b>TAMBACOUNDA</b>	Household possesses: Iron	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAOLACK</b>	Household possesses: Iron	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
<b>THIES</b>	Household possesses: Iron	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>LOUGA</b>	Household possesses: Iron	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>FATICK</b>	Household possesses: Iron	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KOLDA</b>	Household possesses: Iron	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>MATAM</b>	Household possesses: Iron	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
<b>KAFFRINE</b>	Household possesses: Iron	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>KEDOUGOU</b>	Household possesses: Iron	0.01	0.00	0.00	0.02	0.01	0.00	0.00	0.01
<b>SEDHIOU</b>	Household possesses: Iron	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DAKAR</b>	Household possesses: Mobile phone	0.93	0.01	0.91	0.96	0.89	0.00	0.88	0.89
<b>ZIGUINCHOR</b>	Household possesses: Mobile phone	0.84	0.03	0.79	0.89	0.82	0.00	0.82	0.82
<b>DIOURBEL</b>	Household possesses: Mobile phone	0.91	0.03	0.86	0.97	0.78	0.00	0.78	0.78
<b>SAINT-LOUIS</b>	Household possesses: Mobile phone	0.92	0.01	0.89	0.95	0.80	0.00	0.80	0.80
<b>TAMBACOUNDA</b>	Household possesses: Mobile phone	0.78	0.03	0.73	0.83	0.68	0.00	0.68	0.69
<b>KAOLACK</b>	Household possesses: Mobile phone	0.89	0.02	0.85	0.93	0.82	0.00	0.82	0.82
<b>THIES</b>	Household possesses: Mobile phone	0.94	0.01	0.92	0.96	0.81	0.00	0.81	0.81
<b>LOUGA</b>	Household possesses: Mobile phone	0.92	0.02	0.89	0.95	0.79	0.00	0.79	0.79
<b>FATICK</b>	Household possesses: Mobile phone	0.87	0.02	0.83	0.91	0.83	0.00	0.83	0.83
<b>KOLDA</b>	Household possesses: Mobile phone	0.67	0.03	0.61	0.73	0.71	0.00	0.71	0.72
<b>MATAM</b>	Household possesses: Mobile phone	0.79	0.03	0.73	0.85	0.73	0.00	0.73	0.73
<b>KAFFRINE</b>	Household possesses: Mobile phone	0.76	0.03	0.70	0.82	0.77	0.00	0.76	0.77
<b>KEDOUGOU</b>	Household possesses: Mobile phone	0.64	0.03	0.57	0.70	0.63	0.00	0.62	0.64
<b>SEDHIOU</b>	Household possesses: Mobile phone	0.81	0.03	0.75	0.86	0.75	0.00	0.74	0.75
<b>DAKAR</b>	Household possesses: Motorcycle	0.03	0.01	0.01	0.04	0.04	0.00	0.04	0.04
<b>ZIGUINCHOR</b>	Household possesses: Motorcycle	0.12	0.02	0.08	0.16	0.16	0.00	0.16	0.16
<b>DIOURBEL</b>	Household possesses: Motorcycle	0.03	0.01	0.00	0.06	0.03	0.00	0.03	0.03
<b>SAINT-LOUIS</b>	Household possesses: Motorcycle	0.05	0.01	0.03	0.07	0.06	0.00	0.05	0.06
<b>TAMBACOUNDA</b>	Household possesses: Motorcycle	0.13	0.02	0.09	0.16	0.19	0.00	0.19	0.19
<b>KAOLACK</b>	Household possesses: Motorcycle	0.08	0.02	0.04	0.11	0.10	0.00	0.10	0.10
<b>THIES</b>	Household possesses: Motorcycle	0.06	0.01	0.04	0.09	0.06	0.00	0.06	0.06
<b>LOUGA</b>	Household possesses: Motorcycle	0.01	0.00	0.00	0.01	0.03	0.00	0.03	0.03
<b>FATICK</b>	Household possesses: Motorcycle	0.05	0.01	0.03	0.07	0.08	0.00	0.08	0.08
<b>KOLDA</b>	Household possesses: Motorcycle	0.14	0.02	0.10	0.19	0.18	0.00	0.17	0.18
<b>MATAM</b>	Household possesses: Motorcycle	0.01	0.00	0.00	0.01	0.03	0.00	0.03	0.03
<b>KAFFRINE</b>	Household possesses: Motorcycle	0.06	0.01	0.03	0.08	0.08	0.00	0.08	0.08
<b>KEDOUGOU</b>	Household possesses: Motorcycle	0.19	0.03	0.14	0.24	0.32	0.00	0.31	0.33

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>SEDHIOU</b>	Household possesses: Motorcycle	0.10	0.02	0.06	0.14	0.13	0.00	0.13	0.14
<b>DAKAR</b>	Household possesses: Plow or seeder	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Household possesses: Plow or seeder	0.38	0.03	0.32	0.45	0.15	0.00	0.15	0.15
<b>DIOURBEL</b>	Household possesses: Plow or seeder	0.37	0.04	0.30	0.45	0.23	0.00	0.23	0.23
<b>SAINT-LOUIS</b>	Household possesses: Plow or seeder	0.27	0.02	0.22	0.31	0.21	0.00	0.21	0.21
<b>TAMBACOUNDA</b>	Household possesses: Plow or seeder	0.70	0.02	0.66	0.75	0.51	0.00	0.50	0.51
<b>KAOLACK</b>	Household possesses: Plow or seeder	0.60	0.03	0.53	0.66	0.43	0.00	0.43	0.44
<b>THIES</b>	Household possesses: Plow or seeder	0.38	0.03	0.33	0.43	0.26	0.00	0.26	0.26
<b>LOUGA</b>	Household possesses: Plow or seeder	0.64	0.03	0.59	0.69	0.45	0.00	0.45	0.45
<b>FATICK</b>	Household possesses: Plow or seeder	0.79	0.02	0.75	0.84	0.53	0.00	0.52	0.53
<b>KOLDA</b>	Household possesses: Plow or seeder	0.66	0.03	0.61	0.71	0.51	0.00	0.51	0.52
<b>MATAM</b>	Household possesses: Plow or seeder	0.72	0.03	0.66	0.78	0.46	0.00	0.45	0.46
<b>KAFFRINE</b>	Household possesses: Plow or seeder	0.82	0.02	0.77	0.86	0.61	0.00	0.61	0.62
<b>KEDOUGOU</b>	Household possesses: Plow or seeder	0.87	0.02	0.83	0.90	0.42	0.00	0.41	0.43
<b>SEDHIOU</b>	Household possesses: Plow or seeder	0.77	0.02	0.72	0.82	0.50	0.00	0.50	0.51
<b>DAKAR</b>	Household possesses: Radio	0.49	0.02	0.44	0.54	0.69	0.00	0.69	0.69
<b>ZIGUINCHOR</b>	Household possesses: Radio	0.43	0.03	0.37	0.50	0.64	0.00	0.64	0.64
<b>DIOURBEL</b>	Household possesses: Radio	0.48	0.04	0.39	0.56	0.77	0.00	0.77	0.78
<b>SAINT-LOUIS</b>	Household possesses: Radio	0.52	0.03	0.47	0.58	0.73	0.00	0.72	0.73
<b>TAMBACOUNDA</b>	Household possesses: Radio	0.59	0.03	0.54	0.64	0.70	0.00	0.69	0.70
<b>KAOLACK</b>	Household possesses: Radio	0.45	0.03	0.38	0.51	0.78	0.00	0.78	0.78
<b>THIES</b>	Household possesses: Radio	0.61	0.02	0.56	0.66	0.75	0.00	0.75	0.75
<b>LOUGA</b>	Household possesses: Radio	0.63	0.03	0.57	0.68	0.84	0.00	0.83	0.84
<b>FATICK</b>	Household possesses: Radio	0.49	0.03	0.43	0.56	0.70	0.00	0.69	0.70
<b>KOLDA</b>	Household possesses: Radio	0.49	0.03	0.44	0.55	0.68	0.00	0.67	0.68
<b>MATAM</b>	Household possesses: Radio	0.49	0.04	0.42	0.56	0.73	0.00	0.73	0.74
<b>KAFFRINE</b>	Household possesses: Radio	0.58	0.04	0.51	0.65	0.78	0.00	0.78	0.79
<b>KEDOUGOU</b>	Household possesses: Radio	0.48	0.03	0.41	0.55	0.67	0.00	0.66	0.68
<b>SEDHIOU</b>	Household possesses: Radio	0.48	0.03	0.42	0.55	0.70	0.00	0.69	0.70
<b>DAKAR</b>	Household possesses: Sewing machine	0.03	0.01	0.01	0.05	0.05	0.00	0.05	0.05
<b>ZIGUINCHOR</b>	Household possesses: Sewing machine	0.02	0.01	0.00	0.03	0.03	0.00	0.03	0.03
<b>DIOURBEL</b>	Household possesses: Sewing machine	0.06	0.03	0.00	0.11	0.04	0.00	0.03	0.04

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
SAINT-LOUIS	Household possesses: Sewing machine	0.02	0.01	0.01	0.04	0.03	0.00	0.02	0.03
TAMBACOUNDA	Household possesses: Sewing machine	0.02	0.01	0.01	0.03	0.02	0.00	0.02	0.02
KAOLACK	Household possesses: Sewing machine	0.01	0.01	0.00	0.03	0.02	0.00	0.02	0.03
THIES	Household possesses: Sewing machine	0.04	0.01	0.02	0.06	0.03	0.00	0.03	0.03
LOUGA	Household possesses: Sewing machine	0.03	0.01	0.01	0.06	0.03	0.00	0.03	0.03
FATICK	Household possesses: Sewing machine	0.03	0.01	0.01	0.05	0.02	0.00	0.02	0.02
KOLDA	Household possesses: Sewing machine	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
MATAM	Household possesses: Sewing machine	0.02	0.01	0.00	0.05	0.02	0.00	0.02	0.02
KAFFRINE	Household possesses: Sewing machine	0.05	0.01	0.02	0.07	0.02	0.00	0.02	0.02
KEDOUGOU	Household possesses: Sewing machine	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
SEDHIOU	Household possesses: Sewing machine	0.02	0.01	0.00	0.03	0.02	0.00	0.02	0.02
DAKAR	Household possesses: Solar panel	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
ZIGUINCHOR	Household possesses: Solar panel	0.01	0.01	0.00	0.03	0.02	0.00	0.01	0.02
DIORBEL	Household possesses: Solar panel	0.02	0.01	0.00	0.04	0.01	0.00	0.01	0.01
SAINT-LOUIS	Household possesses: Solar panel	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
TAMBACOUNDA	Household possesses: Solar panel	0.03	0.01	0.01	0.04	0.03	0.00	0.02	0.03
KAOLACK	Household possesses: Solar panel	0.02	0.01	0.00	0.03	0.02	0.00	0.02	0.02
THIES	Household possesses: Solar panel	0.02	0.01	0.00	0.04	0.01	0.00	0.01	0.01
LOUGA	Household possesses: Solar panel	0.02	0.01	0.00	0.03	0.02	0.00	0.02	0.02
FATICK	Household possesses: Solar panel	0.13	0.02	0.09	0.18	0.05	0.00	0.05	0.05
KOLDA	Household possesses: Solar panel	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
MATAM	Household possesses: Solar panel	0.02	0.01	0.00	0.03	0.02	0.00	0.02	0.02
KAFFRINE	Household possesses: Solar panel	0.02	0.01	0.00	0.04	0.02	0.00	0.02	0.02
KEDOUGOU	Household possesses: Solar panel	0.02	0.01	0.00	0.04	0.04	0.00	0.04	0.05
SEDHIOU	Household possesses: Solar panel	0.05	0.02	0.02	0.08	0.02	0.00	0.02	0.03
DAKAR	Household possesses: Telephone	0.19	0.02	0.15	0.23	0.14	0.00	0.14	0.14
ZIGUINCHOR	Household possesses: Telephone	0.08	0.02	0.05	0.12	0.06	0.00	0.05	0.06
DIORBEL	Household possesses: Telephone	0.04	0.01	0.01	0.06	0.04	0.00	0.04	0.05
SAINT-LOUIS	Household possesses: Telephone	0.09	0.02	0.06	0.12	0.05	0.00	0.05	0.05
TAMBACOUNDA	Household possesses: Telephone	0.04	0.01	0.02	0.06	0.07	0.00	0.07	0.07
KAOLACK	Household possesses: Telephone	0.04	0.01	0.02	0.06	0.05	0.00	0.05	0.05
THIES	Household possesses: Telephone	0.11	0.02	0.08	0.14	0.07	0.00	0.07	0.07
LOUGA	Household possesses: Telephone	0.02	0.01	0.00	0.04	0.04	0.00	0.04	0.05
FATICK	Household possesses: Telephone	0.03	0.01	0.01	0.06	0.03	0.00	0.03	0.03

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KOLDA	Household possesses: Telephone	0.05	0.01	0.03	0.07	0.04	0.00	0.03	0.04
MATAM	Household possesses: Telephone	0.06	0.02	0.03	0.10	0.05	0.00	0.05	0.05
KAFFRINE	Household possesses: Telephone	0.02	0.01	0.00	0.04	0.02	0.00	0.02	0.02
KEDOUGOU	Household possesses: Telephone	0.09	0.02	0.05	0.13	0.06	0.00	0.06	0.06
SEDHIOU	Household possesses: Telephone	0.02	0.01	0.00	0.04	0.04	0.00	0.03	0.04
DAKAR	Household possesses: Television	0.86	0.02	0.83	0.90	0.86	0.00	0.85	0.86
ZIGUINCHOR	Household possesses: Television	0.44	0.03	0.37	0.50	0.44	0.00	0.44	0.44
DIORBEL	Household possesses: Television	0.43	0.04	0.35	0.52	0.47	0.00	0.47	0.47
SAINT-LOUIS	Household possesses: Television	0.54	0.03	0.49	0.59	0.49	0.00	0.49	0.50
TAMBACOUNDA	Household possesses: Television	0.28	0.02	0.23	0.33	0.26	0.00	0.26	0.27
KAOLACK	Household possesses: Television	0.39	0.03	0.32	0.46	0.38	0.00	0.38	0.39
THIES	Household possesses: Television	0.56	0.03	0.51	0.61	0.59	0.00	0.59	0.59
LOUGA	Household possesses: Television	0.34	0.03	0.29	0.40	0.35	0.00	0.35	0.35
FATICK	Household possesses: Television	0.29	0.03	0.24	0.34	0.28	0.00	0.28	0.29
KOLDA	Household possesses: Television	0.26	0.02	0.21	0.30	0.21	0.00	0.21	0.21
MATAM	Household possesses: Television	0.30	0.03	0.23	0.36	0.30	0.00	0.30	0.30
KAFFRINE	Household possesses: Television	0.14	0.02	0.10	0.18	0.14	0.00	0.14	0.14
KEDOUGOU	Household possesses: Television	0.19	0.02	0.15	0.24	0.20	0.00	0.19	0.20
SEDHIOU	Household possesses: Television	0.18	0.02	0.14	0.22	0.21	0.00	0.20	0.21
DAKAR	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIGUINCHOR	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIORBEL	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAINT-LOUIS	Household possesses: Tractor	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
TAMBACOUNDA	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KAOLACK	Household possesses: Tractor	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
THIES	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LOUGA	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
FATICK	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOLDA	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATAM	Household possesses: Tractor	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
KAFFRINE	Household possesses: Tractor	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01
KEDOUGOU	Household possesses: Tractor	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
SEDHIOU	Household possesses: Tractor	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
DAKAR	Household possesses: Wagon	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
ZIGUINCHOR	Household possesses: Wagon	0.05	0.02	0.02	0.09	0.05	0.00	0.05	0.05
DIORBEL	Household possesses: Wagon	0.34	0.04	0.26	0.42	0.28	0.00	0.27	0.28
SAINT-LOUIS	Household possesses: Wagon	0.23	0.02	0.19	0.28	0.30	0.00	0.30	0.30
TAMBACOUNDA	Household possesses: Wagon	0.37	0.03	0.31	0.42	0.43	0.00	0.43	0.44
KAOLACK	Household possesses: Wagon	0.38	0.03	0.32	0.45	0.38	0.00	0.38	0.38
THIES	Household possesses: Wagon	0.23	0.02	0.19	0.27	0.25	0.00	0.25	0.26

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>LOUGA</b>	Household possesses: Wagon	0.54	0.03	0.49	0.60	0.58	0.00	0.58	0.59
<b>FATICK</b>	Household possesses: Wagon	0.50	0.03	0.44	0.57	0.50	0.00	0.50	0.51
<b>KOLDA</b>	Household possesses: Wagon	0.29	0.03	0.23	0.34	0.29	0.00	0.28	0.29
<b>MATAM</b>	Household possesses: Wagon	0.43	0.04	0.36	0.50	0.44	0.00	0.44	0.45
<b>KAFFRINE</b>	Household possesses: Wagon	0.53	0.04	0.46	0.60	0.60	0.00	0.60	0.60
<b>KEDOUGOU</b>	Household possesses: Wagon	0.10	0.02	0.06	0.14	0.08	0.00	0.07	0.08
<b>SEDHIOU</b>	Household possesses: Wagon	0.20	0.03	0.14	0.25	0.28	0.00	0.28	0.29
<b>DAKAR</b>	Household possesses: Water heater	0.01	0.01	0.00	0.02	0.05	0.00	0.05	0.05
<b>ZIGUINCHOR</b>	Household possesses: Water heater	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>DIORBEL</b>	Household possesses: Water heater	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>SAINT-LOUIS</b>	Household possesses: Water heater	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>TAMBACOUNDA</b>	Household possesses: Water heater	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAOLACK</b>	Household possesses: Water heater	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>THIES</b>	Household possesses: Water heater	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>LOUGA</b>	Household possesses: Water heater	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>FATICK</b>	Household possesses: Water heater	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KOLDA</b>	Household possesses: Water heater	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>MATAM</b>	Household possesses: Water heater	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAFFRINE</b>	Household possesses: Water heater	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KEDOUGOU</b>	Household possesses: Water heater	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00
<b>SEDHIOU</b>	Household possesses: Water heater	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DAKAR</b>	Household is engaged in agriculture	0.12	0.02	0.09	0.15	0.14	0.00	0.14	0.14
<b>ZIGUINCHOR</b>	Household is engaged in agriculture	0.65	0.03	0.59	0.72	0.59	0.00	0.58	0.59
<b>DIORBEL</b>	Household is engaged in agriculture	0.64	0.04	0.55	0.73	0.43	0.00	0.43	0.43
<b>SAINT-LOUIS</b>	Household is engaged in agriculture	0.65	0.03	0.60	0.70	0.67	0.00	0.67	0.68
<b>TAMBACOUNDA</b>	Household is engaged in agriculture	0.75	0.02	0.71	0.80	0.71	0.00	0.71	0.71
<b>KAOLACK</b>	Household is engaged in agriculture	0.69	0.03	0.62	0.75	0.64	0.00	0.64	0.64
<b>THIES</b>	Household is engaged in agriculture	0.58	0.02	0.53	0.63	0.52	0.00	0.52	0.52
<b>LOUGA</b>	Household is engaged in agriculture	0.78	0.02	0.73	0.82	0.78	0.00	0.77	0.78
<b>FATICK</b>	Household is engaged in agriculture	0.89	0.02	0.85	0.92	0.83	0.00	0.83	0.83

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>KOLDA</b>	Household is engaged in agriculture	0.67	0.03	0.62	0.73	0.75	0.00	0.75	0.76
<b>MATAM</b>	Household is engaged in agriculture	0.84	0.02	0.79	0.88	0.83	0.00	0.82	0.83
<b>KAFFRINE</b>	Household is engaged in agriculture	0.84	0.02	0.80	0.89	0.85	0.00	0.85	0.85
<b>KEDOUGOU</b>	Household is engaged in agriculture	0.91	0.01	0.88	0.94	0.69	0.00	0.69	0.70
<b>SEDHIOU</b>	Household is engaged in agriculture	0.90	0.01	0.88	0.93	0.83	0.00	0.82	0.83
<b>DAKAR</b>	Log of number of rooms	0.99	0.03	0.92	1.05	0.89	0.00	0.89	0.89
<b>ZIGUINCHOR</b>	Log of number of rooms	1.40	0.05	1.31	1.49	1.27	0.00	1.26	1.27
<b>DIOURBEL</b>	Log of number of rooms	1.43	0.04	1.35	1.52	1.34	0.00	1.34	1.34
<b>SAINT-LOUIS</b>	Log of number of rooms	1.25	0.03	1.19	1.31	1.08	0.00	1.07	1.08
<b>TAMBACOUNDA</b>	Log of number of rooms	1.34	0.03	1.27	1.40	1.24	0.00	1.24	1.25
<b>KAOLACK</b>	Log of number of rooms	1.38	0.04	1.31	1.46	1.29	0.00	1.29	1.30
<b>THIES</b>	Log of number of rooms	1.42	0.03	1.36	1.47	1.26	0.00	1.26	1.27
<b>LOUGA</b>	Log of number of rooms	1.33	0.03	1.26	1.39	1.25	0.00	1.25	1.26
<b>FATICK</b>	Log of number of rooms	1.39	0.04	1.32	1.46	1.27	0.00	1.27	1.28
<b>KOLDA</b>	Log of number of rooms	1.37	0.03	1.30	1.44	1.26	0.00	1.25	1.26
<b>MATAM</b>	Log of number of rooms	1.32	0.04	1.24	1.40	1.24	0.00	1.23	1.24
<b>KAFFRINE</b>	Log of number of rooms	1.42	0.04	1.34	1.50	1.34	0.00	1.34	1.35
<b>KEDOUGOU</b>	Log of number of rooms	1.30	0.04	1.23	1.37	1.11	0.00	1.10	1.12
<b>SEDHIOU</b>	Log of number of rooms	1.49	0.03	1.42	1.55	1.56	0.00	1.56	1.57
<b>DAKAR</b>	Material of the floor: Cement	0.44	0.02	0.39	0.49	0.34	0.00	0.34	0.34
<b>ZIGUINCHOR</b>	Material of the floor: Cement	0.49	0.03	0.42	0.56	0.51	0.00	0.51	0.52
<b>DIOURBEL</b>	Material of the floor: Cement	0.53	0.04	0.45	0.61	0.46	0.00	0.45	0.46
<b>SAINT-LOUIS</b>	Material of the floor: Cement	0.53	0.03	0.47	0.58	0.43	0.00	0.43	0.43
<b>TAMBACOUNDA</b>	Material of the floor: Cement	0.45	0.03	0.40	0.51	0.41	0.00	0.41	0.42
<b>KAOLACK</b>	Material of the floor: Cement	0.55	0.03	0.48	0.61	0.56	0.00	0.56	0.56
<b>THIES</b>	Material of the floor: Cement	0.70	0.02	0.65	0.74	0.52	0.00	0.52	0.52
<b>LOUGA</b>	Material of the floor: Cement	0.56	0.03	0.50	0.62	0.42	0.00	0.41	0.42
<b>FATICK</b>	Material of the floor: Cement	0.38	0.03	0.31	0.44	0.52	0.00	0.52	0.53
<b>KOLDA</b>	Material of the floor: Cement	0.34	0.03	0.28	0.39	0.39	0.00	0.39	0.39
<b>MATAM</b>	Material of the floor: Cement	0.36	0.03	0.29	0.42	0.47	0.00	0.46	0.47
<b>KAFFRINE</b>	Material of the floor: Cement	0.33	0.03	0.26	0.40	0.37	0.00	0.36	0.37
<b>KEDOUGOU</b>	Material of the floor: Cement	0.31	0.03	0.25	0.37	0.36	0.00	0.35	0.37
<b>SEDHIOU</b>	Material of the floor: Cement	0.34	0.03	0.28	0.40	0.37	0.00	0.37	0.38
<b>DAKAR</b>	Material of the floor: Mud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Material of the floor: Mud	0.41	0.03	0.34	0.48	0.18	0.00	0.18	0.18
<b>DIOURBEL</b>	Material of the floor: Mud	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>SAINT-LOUIS</b>	Material of the floor: Mud	0.16	0.02	0.12	0.20	0.11	0.00	0.10	0.11
<b>TAMBACOUNDA</b>	Material of the floor: Mud	0.30	0.03	0.25	0.35	0.23	0.00	0.22	0.23

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KAOLACK	Material of the floor: Mud	0.17	0.02	0.12	0.22	0.09	0.00	0.09	0.09
THIES	Material of the floor: Mud	0.03	0.01	0.01	0.05	0.01	0.00	0.01	0.01
LOUGA	Material of the floor: Mud	0.05	0.01	0.02	0.08	0.03	0.00	0.03	0.03
FATICK	Material of the floor: Mud	0.13	0.03	0.08	0.18	0.13	0.00	0.12	0.13
KOLDA	Material of the floor: Mud	0.55	0.03	0.49	0.61	0.21	0.00	0.21	0.22
MATAM	Material of the floor: Mud	0.34	0.03	0.27	0.41	0.24	0.00	0.24	0.25
KAFFRINE	Material of the floor: Mud	0.32	0.03	0.25	0.39	0.21	0.00	0.21	0.21
KEDOUGOU	Material of the floor: Mud	0.50	0.03	0.44	0.57	0.35	0.00	0.34	0.36
SEDHIOU	Material of the floor: Mud	0.40	0.03	0.34	0.46	0.23	0.00	0.22	0.23
DAKAR	Material of the floor: Other	0.00	0.00	0.00	0.00	0.06	0.00	0.05	0.06
ZIGUINCHOR	Material of the floor: Other	0.00	0.00	0.00	0.01	0.05	0.00	0.04	0.05
DIORBEL	Material of the floor: Other	0.00	0.00	0.00	0.00	0.07	0.00	0.06	0.07
SAINT-LOUIS	Material of the floor: Other	0.01	0.01	0.00	0.02	0.08	0.00	0.08	0.09
TAMBACOUNDA	Material of the floor: Other	0.00	0.00	0.00	0.01	0.05	0.00	0.04	0.05
KAOLACK	Material of the floor: Other	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.06
THIES	Material of the floor: Other	0.00	0.00	0.00	0.00	0.08	0.00	0.08	0.08
LOUGA	Material of the floor: Other	0.00	0.00	0.00	0.00	0.10	0.00	0.10	0.10
FATICK	Material of the floor: Other	0.00	0.00	0.00	0.00	0.07	0.00	0.06	0.07
KOLDA	Material of the floor: Other	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.03
MATAM	Material of the floor: Other	0.01	0.01	0.00	0.03	0.03	0.00	0.03	0.03
KAFFRINE	Material of the floor: Other	0.00	0.00	0.00	0.01	0.07	0.00	0.07	0.08
KEDOUGOU	Material of the floor: Other	0.01	0.01	0.00	0.02	0.04	0.00	0.04	0.04
SEDHIOU	Material of the floor: Other	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.03
DAKAR	Material of the floor: Sand	0.01	0.00	0.00	0.01	0.05	0.00	0.05	0.05
ZIGUINCHOR	Material of the floor: Sand	0.01	0.01	0.00	0.02	0.17	0.00	0.17	0.17
DIORBEL	Material of the floor: Sand	0.38	0.04	0.30	0.45	0.30	0.00	0.30	0.30
SAINT-LOUIS	Material of the floor: Sand	0.20	0.02	0.16	0.24	0.23	0.00	0.23	0.23
TAMBACOUNDA	Material of the floor: Sand	0.22	0.03	0.17	0.27	0.27	0.00	0.27	0.28
KAOLACK	Material of the floor: Sand	0.18	0.02	0.13	0.22	0.15	0.00	0.15	0.16
THIES	Material of the floor: Sand	0.10	0.02	0.07	0.13	0.14	0.00	0.14	0.14
LOUGA	Material of the floor: Sand	0.31	0.03	0.26	0.37	0.34	0.00	0.34	0.35
FATICK	Material of the floor: Sand	0.42	0.03	0.35	0.48	0.20	0.00	0.20	0.20
KOLDA	Material of the floor: Sand	0.08	0.02	0.05	0.12	0.33	0.00	0.32	0.33
MATAM	Material of the floor: Sand	0.27	0.03	0.21	0.32	0.21	0.00	0.20	0.21
KAFFRINE	Material of the floor: Sand	0.33	0.04	0.26	0.40	0.32	0.00	0.32	0.32
KEDOUGOU	Material of the floor: Sand	0.17	0.03	0.11	0.22	0.21	0.00	0.21	0.22
SEDHIOU	Material of the floor: Sand	0.25	0.03	0.20	0.31	0.35	0.00	0.35	0.36
DAKAR	Material of the floor: Tiles	0.55	0.02	0.51	0.60	0.56	0.00	0.56	0.56
ZIGUINCHOR	Material of the floor: Tiles	0.09	0.02	0.05	0.13	0.09	0.00	0.09	0.10
DIORBEL	Material of the floor: Tiles	0.09	0.02	0.05	0.14	0.16	0.00	0.16	0.16

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
SAINT-LOUIS	Material of the floor: Tiles	0.11	0.02	0.08	0.14	0.15	0.00	0.15	0.15
TAMBACOUNDA	Material of the floor: Tiles	0.03	0.01	0.01	0.04	0.04	0.00	0.04	0.04
KAOLACK	Material of the floor: Tiles	0.11	0.02	0.06	0.15	0.13	0.00	0.13	0.13
THIES	Material of the floor: Tiles	0.17	0.02	0.14	0.21	0.25	0.00	0.24	0.25
LOUGA	Material of the floor: Tiles	0.08	0.01	0.05	0.10	0.11	0.00	0.11	0.12
FATICK	Material of the floor: Tiles	0.07	0.02	0.04	0.11	0.09	0.00	0.08	0.09
KOLDA	Material of the floor: Tiles	0.03	0.01	0.01	0.05	0.05	0.00	0.04	0.05
MATAM	Material of the floor: Tiles	0.03	0.01	0.01	0.04	0.05	0.00	0.05	0.05
KAFFRINE	Material of the floor: Tiles	0.01	0.01	0.00	0.02	0.03	0.00	0.03	0.03
KEDOUGOU	Material of the floor: Tiles	0.01	0.00	0.00	0.02	0.03	0.00	0.03	0.04
SEDHIOU	Material of the floor: Tiles	0.00	0.00	0.00	0.01	0.03	0.00	0.02	0.03
DAKAR	Material of the roof: Concrete	0.63	0.02	0.58	0.67	0.70	0.00	0.70	0.70
ZIGUINCHOR	Material of the roof: Concrete	0.10	0.02	0.06	0.15	0.09	0.00	0.09	0.09
DIOURBEL	Material of the roof: Concrete	0.33	0.05	0.24	0.42	0.19	0.00	0.19	0.20
SAINT-LOUIS	Material of the roof: Concrete	0.22	0.02	0.17	0.26	0.22	0.00	0.22	0.22
TAMBACOUNDA	Material of the roof: Concrete	0.08	0.01	0.06	0.11	0.11	0.00	0.11	0.12
KAOLACK	Material of the roof: Concrete	0.12	0.03	0.07	0.17	0.12	0.00	0.12	0.12
THIES	Material of the roof: Concrete	0.20	0.02	0.16	0.24	0.27	0.00	0.27	0.27
LOUGA	Material of the roof: Concrete	0.14	0.02	0.11	0.18	0.14	0.00	0.13	0.14
FATICK	Material of the roof: Concrete	0.13	0.02	0.08	0.17	0.06	0.00	0.05	0.06
KOLDA	Material of the roof: Concrete	0.06	0.01	0.04	0.09	0.05	0.00	0.05	0.05
MATAM	Material of the roof: Concrete	0.27	0.03	0.21	0.34	0.26	0.00	0.25	0.26
KAFFRINE	Material of the roof: Concrete	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
KEDOUGOU	Material of the roof: Concrete	0.02	0.01	0.01	0.04	0.07	0.00	0.06	0.07
SEDHIOU	Material of the roof: Concrete	0.01	0.00	0.00	0.02	0.03	0.00	0.03	0.04
DAKAR	Material of the roof: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
ZIGUINCHOR	Material of the roof: Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIOURBEL	Material of the roof: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
SAINT-LOUIS	Material of the roof: Other	0.04	0.01	0.02	0.06	0.04	0.00	0.03	0.04
TAMBACOUNDA	Material of the roof: Other	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.02
KAOLACK	Material of the roof: Other	0.01	0.00	0.00	0.02	0.01	0.00	0.00	0.01
THIES	Material of the roof: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
LOUGA	Material of the roof: Other	0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.02
FATICK	Material of the roof: Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOLDA	Material of the roof: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
MATAM	Material of the roof: Other	0.07	0.02	0.03	0.11	0.06	0.00	0.06	0.06
KAFFRINE	Material of the roof: Other	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.02
KEDOUGOU	Material of the roof: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
SEDHIOU	Material of the roof: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
DAKAR	Material of the roof: Thatch/straw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
ZIGUINCHOR	Material of the roof: Thatch/straw	0.06	0.02	0.03	0.09	0.03	0.00	0.03	0.04
DIOURBEL	Material of the roof: Thatch/straw	0.19	0.03	0.13	0.24	0.15	0.00	0.15	0.16
SAINT-LOUIS	Material of the roof: Thatch/straw	0.16	0.02	0.11	0.20	0.22	0.00	0.22	0.22
TAMBACOUNDA	Material of the roof: Thatch/straw	0.50	0.03	0.44	0.55	0.53	0.00	0.53	0.54
KAOLACK	Material of the roof: Thatch/straw	0.35	0.03	0.29	0.42	0.27	0.00	0.26	0.27
THIES	Material of the roof: Thatch/straw	0.12	0.02	0.09	0.15	0.07	0.00	0.07	0.07
LOUGA	Material of the roof: Thatch/straw	0.46	0.03	0.40	0.52	0.37	0.00	0.37	0.37
FATICK	Material of the roof: Thatch/straw	0.38	0.03	0.32	0.45	0.33	0.00	0.32	0.33
KOLDA	Material of the roof: Thatch/straw	0.56	0.03	0.50	0.62	0.58	0.00	0.57	0.58
MATAM	Material of the roof: Thatch/straw	0.30	0.03	0.24	0.36	0.26	0.00	0.26	0.26
KAFFRINE	Material of the roof: Thatch/straw	0.71	0.03	0.65	0.77	0.68	0.00	0.68	0.68
KEDOUGOU	Material of the roof: Thatch/straw	0.83	0.02	0.79	0.87	0.74	0.00	0.73	0.74
SEDHIOU	Material of the roof: Thatch/straw	0.18	0.03	0.12	0.23	0.16	0.00	0.16	0.17
DAKAR	Material of the roof: Tile/slate	0.33	0.02	0.29	0.37	0.24	0.00	0.24	0.24
ZIGUINCHOR	Material of the roof: Tile/slate	0.04	0.02	0.01	0.07	0.04	0.00	0.04	0.04
DIOURBEL	Material of the roof: Tile/slate	0.05	0.01	0.03	0.07	0.02	0.00	0.02	0.02
SAINT-LOUIS	Material of the roof: Tile/slate	0.16	0.02	0.13	0.20	0.19	0.00	0.19	0.19
TAMBACOUNDA	Material of the roof: Tile/slate	0.04	0.01	0.02	0.05	0.04	0.00	0.04	0.04
KAOLACK	Material of the roof: Tile/slate	0.07	0.02	0.03	0.10	0.07	0.00	0.07	0.07
THIES	Material of the roof: Tile/slate	0.17	0.02	0.13	0.20	0.09	0.00	0.09	0.09
LOUGA	Material of the roof: Tile/slate	0.03	0.01	0.01	0.05	0.03	0.00	0.03	0.03
FATICK	Material of the roof: Tile/slate	0.07	0.02	0.04	0.10	0.03	0.00	0.03	0.03
KOLDA	Material of the roof: Tile/slate	0.02	0.01	0.01	0.03	0.02	0.00	0.01	0.02
MATAM	Material of the roof: Tile/slate	0.02	0.01	0.00	0.05	0.03	0.00	0.02	0.03
KAFFRINE	Material of the roof: Tile/slate	0.01	0.00	0.01	0.02	0.03	0.00	0.03	0.03
KEDOUGOU	Material of the roof: Tile/slate	0.03	0.01	0.01	0.05	0.01	0.00	0.01	0.01
SEDHIOU	Material of the roof: Tile/slate	0.05	0.01	0.02	0.07	0.01	0.00	0.01	0.01
DAKAR	Material of the roof: Zinc	0.04	0.01	0.02	0.06	0.05	0.00	0.05	0.05
ZIGUINCHOR	Material of the roof: Zinc	0.80	0.03	0.74	0.85	0.84	0.00	0.83	0.84
DIOURBEL	Material of the roof: Zinc	0.43	0.04	0.35	0.52	0.62	0.00	0.62	0.62
SAINT-LOUIS	Material of the roof: Zinc	0.42	0.03	0.37	0.48	0.34	0.00	0.33	0.34
TAMBACOUNDA	Material of the roof: Zinc	0.39	0.03	0.33	0.44	0.29	0.00	0.29	0.30
KAOLACK	Material of the roof: Zinc	0.45	0.03	0.38	0.51	0.54	0.00	0.54	0.54
THIES	Material of the roof: Zinc	0.51	0.03	0.46	0.56	0.56	0.00	0.56	0.57
LOUGA	Material of the roof: Zinc	0.36	0.03	0.31	0.42	0.45	0.00	0.44	0.45
FATICK	Material of the roof: Zinc	0.42	0.03	0.35	0.48	0.58	0.00	0.58	0.59
KOLDA	Material of the roof: Zinc	0.36	0.03	0.30	0.41	0.34	0.00	0.34	0.35
MATAM	Material of the roof: Zinc	0.33	0.03	0.26	0.39	0.40	0.00	0.39	0.40
KAFFRINE	Material of the roof: Zinc	0.27	0.03	0.21	0.33	0.25	0.00	0.25	0.26
KEDOUGOU	Material of the roof: Zinc	0.11	0.02	0.08	0.15	0.19	0.00	0.18	0.19

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
SEDHIOU	Material of the roof: Zinc	0.77	0.03	0.71	0.82	0.79	0.00	0.78	0.79
DAKAR	Material of the wall: Cement bricks	0.99	0.01	0.97	1.00	0.88	0.00	0.88	0.88
ZIGUINCHOR	Material of the wall: Cement bricks	0.34	0.03	0.28	0.41	0.50	0.00	0.50	0.51
DIORBEL	Material of the wall: Cement bricks	0.72	0.03	0.66	0.78	0.67	0.00	0.67	0.67
SAINT-LOUIS	Material of the wall: Cement bricks	0.72	0.03	0.67	0.77	0.66	0.00	0.65	0.66
TAMBACOUNDA	Material of the wall: Cement bricks	0.36	0.03	0.31	0.42	0.43	0.00	0.42	0.43
KAOLACK	Material of the wall: Cement bricks	0.62	0.03	0.56	0.69	0.73	0.00	0.72	0.73
THIES	Material of the wall: Cement bricks	0.88	0.02	0.84	0.91	0.85	0.00	0.85	0.85
LOUGA	Material of the wall: Cement bricks	0.59	0.03	0.53	0.65	0.57	0.00	0.57	0.57
FATICK	Material of the wall: Cement bricks	0.66	0.03	0.59	0.72	0.68	0.00	0.68	0.68
KOLDA	Material of the wall: Cement bricks	0.34	0.03	0.29	0.40	0.38	0.00	0.38	0.39
MATAM	Material of the wall: Cement bricks	0.42	0.03	0.35	0.49	0.51	0.00	0.51	0.52
KAFFRINE	Material of the wall: Cement bricks	0.26	0.03	0.21	0.32	0.42	0.00	0.42	0.43
KEDOUGOU	Material of the wall: Cement bricks	0.20	0.03	0.15	0.25	0.31	0.00	0.31	0.32
SEDHIOU	Material of the wall: Cement bricks	0.15	0.02	0.11	0.20	0.34	0.00	0.33	0.34
DAKAR	Material of the wall: Mud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIGUINCHOR	Material of the wall: Mud	0.64	0.03	0.58	0.71	0.39	0.00	0.39	0.40
DIORBEL	Material of the wall: Mud	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.02
SAINT-LOUIS	Material of the wall: Mud	0.21	0.02	0.17	0.26	0.15	0.00	0.15	0.15
TAMBACOUNDA	Material of the wall: Mud	0.55	0.03	0.49	0.60	0.43	0.00	0.42	0.43
KAOLACK	Material of the wall: Mud	0.31	0.03	0.25	0.36	0.17	0.00	0.17	0.18
THIES	Material of the wall: Mud	0.02	0.01	0.01	0.03	0.01	0.00	0.01	0.01
LOUGA	Material of the wall: Mud	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
FATICK	Material of the wall: Mud	0.18	0.03	0.12	0.24	0.18	0.00	0.18	0.18
KOLDA	Material of the wall: Mud	0.65	0.03	0.60	0.70	0.48	0.00	0.48	0.48
MATAM	Material of the wall: Mud	0.40	0.04	0.33	0.47	0.25	0.00	0.25	0.26
KAFFRINE	Material of the wall: Mud	0.49	0.04	0.41	0.56	0.39	0.00	0.38	0.39
KEDOUGOU	Material of the wall: Mud	0.66	0.03	0.60	0.72	0.57	0.00	0.56	0.57
SEDHIOU	Material of the wall: Mud	0.84	0.02	0.79	0.88	0.58	0.00	0.57	0.58
DAKAR	Material of the wall: Other	0.01	0.01	0.00	0.02	0.11	0.00	0.11	0.11
ZIGUINCHOR	Material of the wall: Other	0.01	0.00	0.00	0.01	0.09	0.00	0.09	0.10
DIORBEL	Material of the wall: Other	0.03	0.01	0.01	0.05	0.09	0.00	0.09	0.09
SAINT-LOUIS	Material of the wall: Other	0.01	0.00	0.00	0.01	0.07	0.00	0.07	0.07
TAMBACOUNDA	Material of the wall: Other	0.02	0.01	0.01	0.04	0.07	0.00	0.07	0.07
KAOLACK	Material of the wall: Other	0.01	0.01	0.00	0.03	0.06	0.00	0.06	0.07
THIES	Material of the wall: Other	0.00	0.00	0.00	0.01	0.04	0.00	0.04	0.05
LOUGA	Material of the wall: Other	0.01	0.00	0.00	0.02	0.06	0.00	0.06	0.06
FATICK	Material of the wall: Other	0.01	0.00	0.00	0.02	0.07	0.00	0.07	0.07
KOLDA	Material of the wall: Other	0.01	0.01	0.00	0.02	0.07	0.00	0.07	0.07
MATAM	Material of the wall: Other	0.04	0.01	0.02	0.07	0.10	0.00	0.10	0.10

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KAFFRINE	Material of the wall: Other	0.01	0.00	0.00	0.01	0.07	0.00	0.07	0.08
KEDOUGOU	Material of the wall: Other	0.10	0.02	0.06	0.15	0.05	0.00	0.04	0.05
SEDHIOU	Material of the wall: Other	0.01	0.00	0.00	0.01	0.06	0.00	0.06	0.07
DAKAR	Material of the wall: Wood/straw/stem	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
ZIGUINCHOR	Material of the wall: Wood/straw/stem	0.01	0.01	-0.01	0.02	0.01	0.00	0.01	0.01
DIOURBEL	Material of the wall: Wood/straw/stem	0.25	0.03	0.19	0.31	0.23	0.00	0.23	0.23
SAINT-LOUIS	Material of the wall: Wood/straw/stem	0.06	0.01	0.04	0.09	0.12	0.00	0.12	0.12
TAMBACOUNDA	Material of the wall: Wood/straw/stem	0.07	0.01	0.04	0.09	0.08	0.00	0.07	0.08
KAOLACK	Material of the wall: Wood/straw/stem	0.05	0.01	0.03	0.08	0.04	0.00	0.04	0.04
THIES	Material of the wall: Wood/straw/stem	0.10	0.02	0.07	0.13	0.09	0.00	0.09	0.09
LOUGA	Material of the wall: Wood/straw/stem	0.40	0.03	0.34	0.46	0.36	0.00	0.36	0.36
FATICK	Material of the wall: Wood/straw/stem	0.15	0.02	0.11	0.20	0.07	0.00	0.07	0.07
KOLDA	Material of the wall: Wood/straw/stem	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.07
MATAM	Material of the wall: Wood/straw/stem	0.13	0.02	0.09	0.18	0.14	0.00	0.13	0.14
KAFFRINE	Material of the wall: Wood/straw/stem	0.24	0.03	0.17	0.31	0.11	0.00	0.11	0.12
KEDOUGOU	Material of the wall: Wood/straw/stem	0.03	0.01	0.01	0.05	0.07	0.00	0.07	0.07
SEDHIOU	Material of the wall: Wood/straw/stem	0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.02
DAKAR	Number of orphans	0.16	0.03	0.11	0.21	0.11	0.00	0.11	0.11
ZIGUINCHOR	Number of orphans	0.20	0.04	0.12	0.27	0.26	0.00	0.26	0.27
DIOURBEL	Number of orphans	0.18	0.04	0.09	0.26	0.21	0.00	0.21	0.22
SAINT-LOUIS	Number of orphans	0.25	0.05	0.15	0.35	0.19	0.00	0.19	0.20
TAMBACOUNDA	Number of orphans	0.27	0.04	0.19	0.35	0.28	0.00	0.27	0.28
KAOLACK	Number of orphans	0.26	0.04	0.18	0.35	0.28	0.00	0.27	0.28
THIES	Number of orphans	0.18	0.03	0.12	0.24	0.20	0.00	0.20	0.21
LOUGA	Number of orphans	0.20	0.04	0.12	0.28	0.19	0.00	0.19	0.19
FATICK	Number of orphans	0.29	0.05	0.18	0.39	0.30	0.00	0.30	0.31
KOLDA	Number of orphans	0.36	0.06	0.24	0.47	0.34	0.00	0.33	0.35
MATAM	Number of orphans	0.30	0.06	0.18	0.41	0.32	0.00	0.31	0.32
KAFFRINE	Number of orphans	0.21	0.05	0.12	0.30	0.26	0.00	0.25	0.26
KEDOUGOU	Number of orphans	0.34	0.06	0.22	0.46	0.27	0.01	0.26	0.28
SEDHIOU	Number of orphans	0.35	0.05	0.25	0.46	0.44	0.01	0.43	0.45
DAKAR	At least one orphan in household	0.10	0.01	0.07	0.13	0.07	0.00	0.07	0.07
ZIGUINCHOR	At least one orphan in household	0.13	0.02	0.08	0.17	0.16	0.00	0.15	0.16

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
DIORBEL	At least one orphan in household	0.11	0.02	0.06	0.16	0.13	0.00	0.13	0.13
SAINT-LOUIS	At least one orphan in household	0.12	0.02	0.08	0.15	0.12	0.00	0.11	0.12
TAMBACOUNDA	At least one orphan in household	0.16	0.02	0.12	0.20	0.15	0.00	0.14	0.15
KAOLACK	At least one orphan in household	0.18	0.03	0.12	0.23	0.16	0.00	0.16	0.16
THIES	At least one orphan in household	0.11	0.02	0.08	0.14	0.12	0.00	0.12	0.12
LOUGA	At least one orphan in household	0.13	0.02	0.09	0.17	0.11	0.00	0.11	0.12
FATICK	At least one orphan in household	0.17	0.03	0.12	0.23	0.17	0.00	0.17	0.17
KOLDA	At least one orphan in household	0.18	0.02	0.13	0.22	0.19	0.00	0.18	0.19
MATAM	At least one orphan in household	0.15	0.02	0.11	0.20	0.17	0.00	0.16	0.17
KAFFRINE	At least one orphan in household	0.12	0.02	0.08	0.16	0.15	0.00	0.15	0.16
KEDOUGOU	At least one orphan in household	0.17	0.03	0.12	0.23	0.15	0.00	0.14	0.15
SEDHIOU	At least one orphan in household	0.22	0.03	0.17	0.27	0.23	0.00	0.23	0.24
DAKAR	Number of rooms	3.36	0.11	3.14	3.57	3.20	0.00	3.20	3.21
ZIGUINCHOR	Number of rooms	4.85	0.20	4.47	5.23	4.40	0.01	4.38	4.42
DIORBEL	Number of rooms	4.77	0.19	4.40	5.14	4.44	0.01	4.43	4.46
SAINT-LOUIS	Number of rooms	4.04	0.12	3.81	4.28	3.53	0.01	3.52	3.55
TAMBACOUNDA	Number of rooms	4.49	0.14	4.22	4.77	4.39	0.01	4.37	4.42
KAOLACK	Number of rooms	4.56	0.16	4.25	4.87	4.27	0.01	4.26	4.29
THIES	Number of rooms	4.76	0.13	4.50	5.02	4.25	0.01	4.24	4.26
LOUGA	Number of rooms	4.30	0.13	4.04	4.56	4.21	0.01	4.19	4.23
FATICK	Number of rooms	4.66	0.16	4.34	4.98	4.19	0.01	4.17	4.20
KOLDA	Number of rooms	4.66	0.17	4.34	4.99	4.23	0.01	4.21	4.25
MATAM	Number of rooms	4.47	0.18	4.12	4.82	4.23	0.01	4.21	4.26
KAFFRINE	Number of rooms	4.86	0.22	4.43	5.29	4.44	0.01	4.42	4.46
KEDOUGOU	Number of rooms	4.28	0.18	3.93	4.63	3.78	0.02	3.74	3.82
SEDHIOU	Number of rooms	5.12	0.18	4.77	5.46	5.62	0.02	5.58	5.65
DAKAR	Ratio of dependents	0.33	0.01	0.31	0.36	0.29	0.00	0.29	0.29
ZIGUINCHOR	Ratio of dependents	0.43	0.02	0.39	0.47	0.39	0.00	0.39	0.39
DIORBEL	Ratio of dependents	0.51	0.01	0.49	0.53	0.45	0.00	0.45	0.45
SAINT-LOUIS	Ratio of dependents	0.46	0.01	0.44	0.48	0.42	0.00	0.42	0.43
TAMBACOUNDA	Ratio of dependents	0.48	0.01	0.45	0.50	0.44	0.00	0.44	0.44
KAOLACK	Ratio of dependents	0.48	0.01	0.46	0.51	0.45	0.00	0.45	0.45
THIES	Ratio of dependents	0.46	0.01	0.44	0.48	0.41	0.00	0.41	0.41
LOUGA	Ratio of dependents	0.46	0.01	0.44	0.48	0.44	0.00	0.44	0.44
FATICK	Ratio of dependents	0.51	0.01	0.49	0.54	0.48	0.00	0.48	0.48
KOLDA	Ratio of dependents	0.50	0.01	0.48	0.52	0.46	0.00	0.46	0.46
MATAM	Ratio of dependents	0.50	0.01	0.47	0.52	0.48	0.00	0.47	0.48
KAFFRINE	Ratio of dependents	0.48	0.01	0.46	0.51	0.48	0.00	0.48	0.48
KEDOUGOU	Ratio of dependents	0.49	0.01	0.46	0.52	0.42	0.00	0.42	0.43
SEDHIOU	Ratio of dependents	0.50	0.01	0.48	0.52	0.49	0.00	0.49	0.49

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
DAKAR	Ratio of household members less than 15 years old	0.29	0.01	0.27	0.31	0.25	0.00	0.25	0.26
ZIGUINCHOR	Ratio of household members less than 15 years old	0.33	0.02	0.30	0.36	0.33	0.00	0.33	0.33
DIOURBEL	Ratio of household members less than 15 years old	0.45	0.01	0.42	0.48	0.40	0.00	0.40	0.40
SAINT-LOUIS	Ratio of household members less than 15 years old	0.41	0.01	0.39	0.43	0.38	0.00	0.38	0.39
TAMBACOUNDA	Ratio of household members less than 15 years old	0.45	0.01	0.43	0.47	0.41	0.00	0.41	0.41
KAOLACK	Ratio of household members less than 15 years old	0.44	0.01	0.41	0.46	0.41	0.00	0.41	0.41
THIES	Ratio of household members less than 15 years old	0.39	0.01	0.37	0.41	0.36	0.00	0.36	0.36
LOUGA	Ratio of household members less than 15 years old	0.40	0.01	0.38	0.42	0.40	0.00	0.39	0.40
FATICK	Ratio of household members less than 15 years old	0.46	0.01	0.44	0.49	0.43	0.00	0.43	0.43
KOLDA	Ratio of household members less than 15 years old	0.46	0.01	0.44	0.48	0.43	0.00	0.43	0.43
MATAM	Ratio of household members less than 15 years old	0.44	0.01	0.42	0.47	0.43	0.00	0.43	0.43
KAFFRINE	Ratio of household members less than 15 years old	0.45	0.01	0.42	0.47	0.45	0.00	0.45	0.45
KEDOUGOU	Ratio of household members less than 15 years old	0.44	0.01	0.41	0.46	0.39	0.00	0.38	0.39
SEDHIOU	Ratio of household members less than 15 years old	0.45	0.01	0.42	0.47	0.46	0.00	0.45	0.46
DAKAR	Source of drinking water: Tap (3	0.98	0.01	0.96	0.99	0.97	0.00	0.97	0.97
ZIGUINCHOR	Source of drinking water: Tap (3	0.37	0.03	0.31	0.44	0.31	0.00	0.31	0.32
DIOURBEL	Source of drinking water: Tap (3	0.82	0.03	0.77	0.88	0.83	0.00	0.82	0.83
SAINT-LOUIS	Source of drinking water: Tap (3	0.74	0.02	0.69	0.78	0.72	0.00	0.71	0.72
TAMBACOUNDA	Source of drinking water: Tap (3	0.35	0.03	0.30	0.40	0.37	0.00	0.37	0.38
KAOLACK	Source of drinking water: Tap (3	0.77	0.03	0.72	0.83	0.81	0.00	0.81	0.81
THIES	Source of drinking water: Tap (3	0.80	0.02	0.76	0.84	0.82	0.00	0.82	0.82
LOUGA	Source of drinking water: Tap (3	0.75	0.03	0.69	0.81	0.82	0.00	0.82	0.82
FATICK	Source of drinking water: Tap (3	0.50	0.03	0.43	0.56	0.50	0.00	0.50	0.50
KOLDA	Source of drinking water: Tap (3	0.14	0.02	0.10	0.18	0.14	0.00	0.13	0.14
MATAM	Source of drinking water: Tap (3	0.50	0.04	0.43	0.57	0.65	0.00	0.65	0.66
KAFFRINE	Source of drinking water: Tap (3	0.75	0.03	0.68	0.81	0.80	0.00	0.80	0.81
KEDOUGOU	Source of drinking water: Tap (3	0.15	0.02	0.11	0.19	0.17	0.00	0.17	0.18
SEDHIOU	Source of drinking water: Tap (3	0.07	0.01	0.04	0.09	0.08	0.00	0.08	0.08
DAKAR	Source of drinking water: Well (3	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
ZIGUINCHOR	Source of drinking water: Well (3	0.58	0.03	0.51	0.64	0.66	0.00	0.65	0.66
DIOURBEL	Source of drinking water: Well (3	0.09	0.02	0.05	0.12	0.08	0.00	0.08	0.08
SAINT-LOUIS	Source of drinking water: Well (3	0.12	0.02	0.09	0.16	0.15	0.00	0.14	0.15
TAMBACOUNDA	Source of drinking water: Well (3	0.55	0.03	0.49	0.60	0.54	0.00	0.54	0.55

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KAOLACK	Source of drinking water: Well (3	0.20	0.03	0.15	0.25	0.17	0.00	0.17	0.18
THIES	Source of drinking water: Well (3	0.17	0.02	0.13	0.20	0.15	0.00	0.15	0.15
LOUGA	Source of drinking water: Well (3	0.03	0.01	0.01	0.06	0.05	0.00	0.05	0.05
FATICK	Source of drinking water: Well (3	0.41	0.03	0.34	0.47	0.45	0.00	0.44	0.45
KOLDA	Source of drinking water: Well (3	0.83	0.02	0.79	0.88	0.84	0.00	0.84	0.84
MATAM	Source of drinking water: Well (3	0.37	0.03	0.31	0.44	0.29	0.00	0.29	0.29
KAFFRINE	Source of drinking water: Well (3	0.13	0.02	0.09	0.17	0.16	0.00	0.16	0.17
KEDOUGOU	Source of drinking water: Well (3	0.26	0.03	0.20	0.31	0.35	0.00	0.34	0.35
SEDHIOU	Source of drinking water: Well (3	0.92	0.01	0.89	0.95	0.90	0.00	0.90	0.90
DAKAR	Source of drinking water: Other (3	0.01	0.01	0.00	0.03	0.02	0.00	0.02	0.02
ZIGUINCHOR	Source of drinking water: Other (3	0.05	0.02	0.02	0.08	0.03	0.00	0.03	0.03
DIORBEL	Source of drinking water: Other (3	0.09	0.02	0.05	0.13	0.09	0.00	0.09	0.09
SAINT-LOUIS	Source of drinking water: Other (3	0.14	0.02	0.10	0.18	0.14	0.00	0.14	0.14
TAMBACOUNDA	Source of drinking water: Other (3	0.11	0.02	0.08	0.14	0.08	0.00	0.08	0.09
KAOLACK	Source of drinking water: Other (3	0.03	0.01	0.01	0.05	0.02	0.00	0.01	0.02
THIES	Source of drinking water: Other (3	0.03	0.01	0.02	0.05	0.03	0.00	0.03	0.03
LOUGA	Source of drinking water: Other (3	0.22	0.03	0.16	0.27	0.13	0.00	0.13	0.13
FATICK	Source of drinking water: Other (3	0.09	0.02	0.05	0.14	0.05	0.00	0.05	0.05
KOLDA	Source of drinking water: Other (3	0.02	0.01	0.00	0.04	0.03	0.00	0.02	0.03
MATAM	Source of drinking water: Other (3	0.12	0.02	0.08	0.17	0.06	0.00	0.06	0.06
KAFFRINE	Source of drinking water: Other (3	0.13	0.03	0.07	0.18	0.03	0.00	0.03	0.03
KEDOUGOU	Source of drinking water: Other (3	0.59	0.03	0.53	0.66	0.48	0.00	0.47	0.49
SEDHIOU	Source of drinking water: Other (3	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
DAKAR	Source of drinking water: Tap (4	0.98	0.01	0.96	0.99	0.97	0.00	0.97	0.97
ZIGUINCHOR	Source of drinking water: Tap (4	0.37	0.03	0.31	0.44	0.31	0.00	0.31	0.32
DIORBEL	Source of drinking water: Tap (4	0.82	0.03	0.77	0.88	0.83	0.00	0.82	0.83
SAINT-LOUIS	Source of drinking water: Tap (4	0.74	0.02	0.69	0.78	0.72	0.00	0.71	0.72
TAMBACOUNDA	Source of drinking water: Tap (4	0.35	0.03	0.30	0.40	0.37	0.00	0.37	0.38
KAOLACK	Source of drinking water: Tap (4	0.77	0.03	0.72	0.83	0.81	0.00	0.81	0.81
THIES	Source of drinking water: Tap (4	0.80	0.02	0.76	0.84	0.82	0.00	0.82	0.82
LOUGA	Source of drinking water: Tap (4	0.75	0.03	0.69	0.81	0.82	0.00	0.82	0.82
FATICK	Source of drinking water: Tap (4	0.50	0.03	0.43	0.56	0.50	0.00	0.50	0.50
KOLDA	Source of drinking water: Tap (4	0.14	0.02	0.10	0.18	0.14	0.00	0.13	0.14
MATAM	Source of drinking water: Tap (4	0.50	0.04	0.43	0.57	0.65	0.00	0.65	0.66
KAFFRINE	Source of drinking water: Tap (4	0.75	0.03	0.68	0.81	0.80	0.00	0.80	0.81
KEDOUGOU	Source of drinking water: Tap (4	0.15	0.02	0.11	0.19	0.17	0.00	0.17	0.18
SEDHIOU	Source of drinking water: Tap (4	0.07	0.01	0.04	0.09	0.08	0.00	0.08	0.08
DAKAR	Source of drinking water: Protected well (4 cat)	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
ZIGUINCHOR	Source of drinking water: Protected well (4 cat)	0.11	0.02	0.07	0.15	0.23	0.00	0.22	0.23

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
DIOURBEL	Source of drinking water: Protected well (4 cat)	0.04	0.01	0.02	0.06	0.07	0.00	0.07	0.07
SAINT-LOUIS	Source of drinking water: Protected well (4 cat)	0.11	0.02	0.07	0.14	0.13	0.00	0.12	0.13
TAMBACOUNDA	Source of drinking water: Protected well (4 cat)	0.13	0.02	0.09	0.16	0.21	0.00	0.21	0.21
KAOLACK	Source of drinking water: Protected well (4 cat)	0.03	0.01	0.01	0.05	0.04	0.00	0.04	0.05
THIES	Source of drinking water: Protected well (4 cat)	0.04	0.01	0.02	0.06	0.09	0.00	0.09	0.10
LOUGA	Source of drinking water: Protected well (4 cat)	0.20	0.03	0.15	0.25	0.12	0.00	0.12	0.12
FATICK	Source of drinking water: Protected well (4 cat)	0.16	0.02	0.11	0.21	0.12	0.00	0.12	0.12
KOLDA	Source of drinking water: Protected well (4 cat)	0.38	0.03	0.32	0.44	0.41	0.00	0.40	0.41
MATAM	Source of drinking water: Protected well (4 cat)	0.31	0.03	0.24	0.38	0.14	0.00	0.14	0.15
KAFFRINE	Source of drinking water: Protected well (4 cat)	0.15	0.03	0.10	0.21	0.06	0.00	0.05	0.06
KEDOUGOU	Source of drinking water: Protected well (4 cat)	0.55	0.03	0.48	0.61	0.53	0.00	0.52	0.54
SEDHIOU	Source of drinking water: Protected well (4 cat)	0.13	0.02	0.09	0.17	0.19	0.00	0.19	0.20
DAKAR	Source of drinking water: Non-improved source (4 cat)	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
ZIGUINCHOR	Source of drinking water: Non-improved source (4 cat)	0.48	0.03	0.41	0.55	0.46	0.00	0.45	0.46
DIOURBEL	Source of drinking water: Non-improved source (4 cat)	0.13	0.03	0.08	0.18	0.04	0.00	0.04	0.04
SAINT-LOUIS	Source of drinking water: Non-improved source (4 cat)	0.14	0.02	0.11	0.18	0.10	0.00	0.10	0.11
TAMBACOUNDA	Source of drinking water: Non-improved source (4 cat)	0.52	0.03	0.47	0.58	0.41	0.00	0.41	0.41
KAOLACK	Source of drinking water: Non-improved source (4 cat)	0.20	0.03	0.15	0.25	0.14	0.00	0.13	0.14
THIES	Source of drinking water: Non-improved source (4 cat)	0.16	0.02	0.12	0.19	0.08	0.00	0.08	0.08
LOUGA	Source of drinking water: Non-improved source (4 cat)	0.04	0.01	0.01	0.07	0.03	0.00	0.03	0.03
FATICK	Source of drinking water: Non-improved source (4 cat)	0.32	0.03	0.26	0.39	0.34	0.00	0.34	0.34

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>KOLDA</b>	Source of drinking water: Non-improved source (4 cat)	0.46	0.03	0.40	0.52	0.45	0.00	0.45	0.46
<b>MATAM</b>	Source of drinking water: Non-improved source (4 cat)	0.18	0.03	0.13	0.23	0.19	0.00	0.19	0.19
<b>KAFFRINE</b>	Source of drinking water: Non-improved source (4 cat)	0.10	0.02	0.06	0.13	0.14	0.00	0.13	0.14
<b>KEDOUGOU</b>	Source of drinking water: Non-improved source (4 cat)	0.29	0.03	0.23	0.35	0.24	0.00	0.23	0.25
<b>SEDHIOU</b>	Source of drinking water: Non-improved source (4 cat)	0.80	0.02	0.75	0.85	0.72	0.00	0.71	0.72
<b>DAKAR</b>	Source of drinking water: Other (4 cat)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Source of drinking water: Other (4 cat)	0.03	0.01	0.01	0.06	0.01	0.00	0.00	0.01
<b>DIORBEL</b>	Source of drinking water: Other (4 cat)	0.00	0.00	0.00	0.01	0.06	0.00	0.06	0.06
<b>SAINT-LOUIS</b>	Source of drinking water: Other (4 cat)	0.01	0.00	0.00	0.02	0.05	0.00	0.05	0.06
<b>TAMBACOUNDA</b>	Source of drinking water: Other (4 cat)	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>KAOLACK</b>	Source of drinking water: Other (4 cat)	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>THIES</b>	Source of drinking water: Other (4 cat)	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>LOUGA</b>	Source of drinking water: Other (4 cat)	0.01	0.01	0.00	0.02	0.04	0.00	0.03	0.04
<b>FATICK</b>	Source of drinking water: Other (4 cat)	0.02	0.01	0.00	0.03	0.04	0.00	0.04	0.04
<b>KOLDA</b>	Source of drinking water: Other (4 cat)	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>MATAM</b>	Source of drinking water: Other (4 cat)	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>KAFFRINE</b>	Source of drinking water: Other (4 cat)	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
<b>KEDOUGOU</b>	Source of drinking water: Other (4 cat)	0.01	0.01	0.00	0.03	0.06	0.00	0.05	0.06
<b>SEDHIOU</b>	Source of drinking water: Other (4 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
<b>DAKAR</b>	Source of drinking water: Tap in the house or courtyard	0.90	0.01	0.87	0.93	0.89	0.00	0.89	0.89
<b>ZIGUINCHOR</b>	Source of drinking water: Tap in the house or courtyard (8 cat)	0.35	0.03	0.28	0.41	0.28	0.00	0.28	0.28

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
DIOURBEL	Source of drinking water: Tap in the house or courtyard (8 cat)	0.68	0.04	0.61	0.76	0.57	0.00	0.57	0.58
SAINT-LOUIS	Source of drinking water: Tap in the house or courtyard (8 cat)	0.60	0.03	0.55	0.65	0.52	0.00	0.51	0.52
TAMBACOUNDA	Source of drinking water: Tap in the house or courtyard (8 cat)	0.29	0.02	0.24	0.33	0.23	0.00	0.23	0.23
KAOLACK	Source of drinking water: Tap in the house or courtyard (8 cat)	0.45	0.03	0.38	0.51	0.50	0.00	0.50	0.50
THIES	Source of drinking water: Tap in the house or courtyard (8 cat)	0.53	0.03	0.48	0.58	0.63	0.00	0.63	0.63
LOUGA	Source of drinking water: Tap in the house or courtyard (8 cat)	0.50	0.03	0.44	0.56	0.57	0.00	0.57	0.57
FATICK	Source of drinking water: Tap in the house or courtyard (8 cat)	0.23	0.02	0.18	0.28	0.25	0.00	0.24	0.25
KOLDA	Source of drinking water: Tap in the house or courtyard (8 cat)	0.11	0.02	0.08	0.15	0.12	0.00	0.11	0.12
MATAM	Source of drinking water: Tap in the house or courtyard (8 cat)	0.41	0.03	0.34	0.47	0.44	0.00	0.44	0.44
KAFFRINE	Source of drinking water: Tap in the house or courtyard (8 cat)	0.26	0.03	0.20	0.32	0.37	0.00	0.37	0.38
KEDOUGOU	Source of drinking water: Tap in the house or courtyard (8 cat)	0.11	0.02	0.08	0.14	0.11	0.00	0.11	0.12
SEDHIOU	Source of drinking water: Tap in the house or courtyard (8 cat)	0.05	0.01	0.03	0.08	0.06	0.00	0.06	0.07
DAKAR	Source of drinking water: Public tap (8 cat)	0.08	0.01	0.06	0.10	0.08	0.00	0.08	0.08
ZIGUINCHOR	Source of drinking water: Public tap (8 cat)	0.03	0.01	0.00	0.05	0.03	0.00	0.03	0.03
DIOURBEL	Source of drinking water: Public tap (8 cat)	0.14	0.03	0.08	0.20	0.25	0.00	0.25	0.25
SAINT-LOUIS	Source of drinking water: Public tap (8 cat)	0.14	0.02	0.10	0.18	0.20	0.00	0.20	0.20
TAMBACOUNDA	Source of drinking water: Public tap (8 cat)	0.06	0.01	0.04	0.09	0.15	0.00	0.14	0.15
KAOLACK	Source of drinking water: Public tap (8 cat)	0.33	0.03	0.27	0.39	0.31	0.00	0.31	0.32
THIES	Source of drinking water: Public tap (8 cat)	0.27	0.02	0.22	0.31	0.19	0.00	0.19	0.19
LOUGA	Source of drinking water: Public tap (8 cat)	0.25	0.03	0.19	0.30	0.25	0.00	0.24	0.25
FATICK	Source of drinking water: Public tap (8 cat)	0.27	0.03	0.21	0.33	0.25	0.00	0.25	0.26

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>KOLDA</b>	Source of drinking water: Public tap (8 cat)	0.03	0.01	0.00	0.05	0.02	0.00	0.02	0.02
<b>MATAM</b>	Source of drinking water: Public tap (8 cat)	0.10	0.02	0.05	0.14	0.21	0.00	0.21	0.22
<b>KAFFRINE</b>	Source of drinking water: Public tap (8 cat)	0.48	0.04	0.41	0.55	0.43	0.00	0.42	0.43
<b>KEDOUGOU</b>	Source of drinking water: Public tap (8 cat)	0.05	0.01	0.02	0.07	0.06	0.00	0.06	0.06
<b>SEDHIOU</b>	Source of drinking water: Public tap (8 cat)	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
<b>DAKAR</b>	Source of drinking water: Protected well (8 cat)	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>ZIGUINCHOR</b>	Source of drinking water: Protected well (8 cat)	0.10	0.02	0.06	0.14	0.20	0.00	0.20	0.20
<b>DIORBEL</b>	Source of drinking water: Protected well (8 cat)	0.03	0.01	0.02	0.04	0.05	0.00	0.05	0.05
<b>SAINT-LOUIS</b>	Source of drinking water: Protected well (8 cat)	0.07	0.01	0.05	0.10	0.05	0.00	0.05	0.05
<b>TAMBACOUNDA</b>	Source of drinking water: Protected well (8 cat)	0.05	0.01	0.02	0.07	0.13	0.00	0.13	0.14
<b>KAOLACK</b>	Source of drinking water: Protected well (8 cat)	0.02	0.01	0.00	0.03	0.04	0.00	0.04	0.04
<b>THIES</b>	Source of drinking water: Protected well (8 cat)	0.03	0.01	0.02	0.05	0.08	0.00	0.08	0.08
<b>LOUGA</b>	Source of drinking water: Protected well (8 cat)	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.03
<b>FATICK</b>	Source of drinking water: Protected well (8 cat)	0.15	0.02	0.11	0.19	0.11	0.00	0.11	0.11
<b>KOLDA</b>	Source of drinking water: Protected well (8 cat)	0.37	0.03	0.31	0.43	0.39	0.00	0.38	0.39
<b>MATAM</b>	Source of drinking water: Protected well (8 cat)	0.21	0.03	0.14	0.27	0.10	0.00	0.10	0.10
<b>KAFFRINE</b>	Source of drinking water: Protected well (8 cat)	0.03	0.01	0.00	0.06	0.03	0.00	0.03	0.03
<b>KEDOUGOU</b>	Source of drinking water: Protected well (8 cat)	0.05	0.02	0.02	0.08	0.11	0.00	0.10	0.11
<b>SEDHIOU</b>	Source of drinking water: Protected well (8 cat)	0.12	0.02	0.08	0.16	0.18	0.00	0.18	0.19
<b>DAKAR</b>	Source of drinking water: Non-protected well (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Source of drinking water: Non-protected well (8 cat)	0.48	0.03	0.41	0.54	0.45	0.00	0.45	0.46

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
DIOURBEL	Source of drinking water: Non-protected well (8 cat)	0.06	0.02	0.02	0.09	0.03	0.00	0.03	0.03
SAINT-LOUIS	Source of drinking water: Non-protected well (8 cat)	0.05	0.01	0.03	0.07	0.10	0.00	0.10	0.10
TAMBACOUNDA	Source of drinking water: Non-protected well (8 cat)	0.50	0.03	0.44	0.56	0.41	0.00	0.41	0.41
KAOLACK	Source of drinking water: Non-protected well (8 cat)	0.18	0.02	0.13	0.23	0.13	0.00	0.13	0.14
THIES	Source of drinking water: Non-protected well (8 cat)	0.13	0.02	0.10	0.17	0.08	0.00	0.07	0.08
LOUGA	Source of drinking water: Non-protected well (8 cat)	0.03	0.01	0.01	0.06	0.02	0.00	0.02	0.02
FATICK	Source of drinking water: Non-protected well (8 cat)	0.26	0.03	0.20	0.32	0.34	0.00	0.33	0.34
KOLDA	Source of drinking water: Non-protected well (8 cat)	0.46	0.03	0.40	0.52	0.45	0.00	0.45	0.46
MATAM	Source of drinking water: Non-protected well (8 cat)	0.17	0.02	0.12	0.22	0.19	0.00	0.19	0.19
KAFFRINE	Source of drinking water: Non-protected well (8 cat)	0.10	0.02	0.06	0.13	0.14	0.00	0.13	0.14
KEDOUGOU	Source of drinking water: Non-protected well (8 cat)	0.20	0.03	0.15	0.25	0.24	0.00	0.23	0.25
SEDHIOU	Source of drinking water: Non-protected well (8 cat)	0.80	0.02	0.75	0.85	0.72	0.00	0.71	0.72
DAKAR	Source of drinking water: Well pump or drink (8 cat)	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
ZIGUINCHOR	Source of drinking water: Well pump or drink (8 cat)	0.01	0.01	0.00	0.02	0.03	0.00	0.02	0.03
DIOURBEL	Source of drinking water: Well pump or drink (8 cat)	0.01	0.01	-0.01	0.02	0.02	0.00	0.02	0.02
SAINT-LOUIS	Source of drinking water: Well pump or drink (8 cat)	0.03	0.01	0.01	0.06	0.08	0.00	0.08	0.08
TAMBACOUNDA	Source of drinking water: Well pump or drink (8 cat)	0.08	0.01	0.05	0.10	0.08	0.00	0.07	0.08
KAOLACK	Source of drinking water: Well pump or drink (8 cat)	0.01	0.01	0.00	0.03	0.00	0.00	0.00	0.01
THIES	Source of drinking water: Well pump or drink (8 cat)	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
LOUGA	Source of drinking water: Well pump or drink (8 cat)	0.20	0.03	0.15	0.25	0.09	0.00	0.09	0.10
FATICK	Source of drinking water: Well pump or drink (8 cat)	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>KOLDA</b>	Source of drinking water: Well pump or drink (8 cat)	0.01	0.01	0.00	0.02	0.02	0.00	0.02	0.02
<b>MATAM</b>	Source of drinking water: Well pump or drink (8 cat)	0.11	0.02	0.06	0.15	0.04	0.00	0.04	0.04
<b>KAFFRINE</b>	Source of drinking water: Well pump or drink (8 cat)	0.12	0.03	0.07	0.17	0.03	0.00	0.03	0.03
<b>KEDOUGOU</b>	Source of drinking water: Well pump or drink (8 cat)	0.49	0.03	0.42	0.56	0.42	0.00	0.42	0.43
<b>SEDHIOU</b>	Source of drinking water: Well pump or drink (8 cat)	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
<b>DAKAR</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
<b>ZIGUINCHOR</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00
<b>DIORBEL</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.08	0.02	0.04	0.11	0.07	0.00	0.07	0.07
<b>SAINT-LOUIS</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.03	0.01	0.01	0.05	0.01	0.00	0.01	0.02
<b>TAMBACOUNDA</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.02	0.01	0.01	0.04	0.00	0.00	0.00	0.00
<b>KAOLACK</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>THIES</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.02	0.01	0.01	0.04	0.01	0.00	0.01	0.01
<b>LOUGA</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.02
<b>FATICK</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.06	0.02	0.02	0.10	0.04	0.00	0.04	0.04
<b>KOLDA</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>MATAM</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>KAFFRINE</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
<b>KEDOUGOU</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>SEDHIOU</b>	Source of drinking water: Tanker truck/Mineral water (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DAKAR</b>	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>ZIGUINCHOR</b>	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
DIOURBEL	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
SAINT-LOUIS	Source of drinking water: Spring protected/non-protected (8 cat)	0.07	0.01	0.04	0.09	0.03	0.00	0.03	0.03
TAMBACOUNDA	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
KAOLACK	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THIES	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LOUGA	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
FATICK	Source of drinking water: Spring protected/non-protected (8 cat)	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
KOLDA	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATAM	Source of drinking water: Spring protected/non-protected (8 cat)	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01
KAFFRINE	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KEDOUGOU	Source of drinking water: Spring protected/non-protected (8 cat)	0.09	0.02	0.04	0.13	0.05	0.00	0.05	0.05
SEDHIOU	Source of drinking water: Spring protected/non-protected (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DAKAR	Source of drinking water: Other (8 cat)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
ZIGUINCHOR	Source of drinking water: Other (8 cat)	0.03	0.01	0.00	0.06	0.00	0.00	0.00	0.00
DIOURBEL	Source of drinking water: Other (8 cat)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
SAINT-LOUIS	Source of drinking water: Other (8 cat)	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
TAMBACOUNDA	Source of drinking water: Other (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KAOLACK	Source of drinking water: Other (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THIES	Source of drinking water: Other (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LOUGA	Source of drinking water: Other (8 cat)	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00
FATICK	Source of drinking water: Other (8 cat)	0.02	0.01	0.00	0.03	0.00	0.00	0.00	0.00

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>KOLDA</b>	Source of drinking water: Other (8 cat)	0.02	0.01	0.00	0.03	0.00	0.00	0.00	0.00
<b>MATAM</b>	Source of drinking water: Other (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KAFFRINE</b>	Source of drinking water: Other (8 cat)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>KEDOUGOU</b>	Source of drinking water: Other (8 cat)	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01
<b>SEDHIOU</b>	Source of drinking water: Other (8 cat)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>DAKAR</b>	Source of lighting: Candle	0.04	0.01	0.02	0.05	0.05	0.00	0.04	0.05
<b>ZIGUINCHOR</b>	Source of lighting: Candle	0.06	0.02	0.03	0.09	0.10	0.00	0.10	0.10
<b>DIOURBEL</b>	Source of lighting: Candle	0.13	0.04	0.04	0.21	0.13	0.00	0.12	0.13
<b>SAINT-LOUIS</b>	Source of lighting: Candle	0.01	0.01	0.00	0.02	0.04	0.00	0.04	0.04
<b>TAMBACOUNDA</b>	Source of lighting: Candle	0.06	0.01	0.03	0.08	0.12	0.00	0.12	0.12
<b>KAOLACK</b>	Source of lighting: Candle	0.05	0.01	0.03	0.08	0.11	0.00	0.10	0.11
<b>THIES</b>	Source of lighting: Candle	0.08	0.01	0.05	0.11	0.11	0.00	0.11	0.11
<b>LOUGA</b>	Source of lighting: Candle	0.03	0.01	0.02	0.05	0.07	0.00	0.07	0.08
<b>FATICK</b>	Source of lighting: Candle	0.11	0.02	0.06	0.15	0.10	0.00	0.09	0.10
<b>KOLDA</b>	Source of lighting: Candle	0.08	0.02	0.05	0.11	0.25	0.00	0.24	0.25
<b>MATAM</b>	Source of lighting: Candle	0.01	0.00	0.00	0.01	0.02	0.00	0.02	0.02
<b>KAFFRINE</b>	Source of lighting: Candle	0.05	0.02	0.01	0.09	0.09	0.00	0.09	0.09
<b>KEDOUGOU</b>	Source of lighting: Candle	0.03	0.01	0.01	0.05	0.08	0.00	0.08	0.09
<b>SEDHIOU</b>	Source of lighting: Candle	0.17	0.02	0.13	0.22	0.18	0.00	0.17	0.18
<b>DAKAR</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.04	0.01	0.02	0.05	0.05	0.00	0.05	0.05
<b>ZIGUINCHOR</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.18	0.02	0.13	0.22	0.24	0.00	0.24	0.24
<b>DIOURBEL</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.22	0.04	0.14	0.31	0.22	0.00	0.22	0.22
<b>SAINT-LOUIS</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.04	0.01	0.02	0.06	0.12	0.00	0.11	0.12
<b>TAMBACOUNDA</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.07	0.01	0.04	0.10	0.26	0.00	0.25	0.26
<b>KAOLACK</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.06	0.01	0.04	0.09	0.19	0.00	0.18	0.19
<b>THIES</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.09	0.02	0.06	0.12	0.17	0.00	0.17	0.17
<b>LOUGA</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.05	0.01	0.03	0.08	0.23	0.00	0.22	0.23
<b>FATICK</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.15	0.03	0.10	0.20	0.17	0.00	0.16	0.17
<b>KOLDA</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.09	0.02	0.06	0.13	0.33	0.00	0.33	0.34

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>MATAM</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.02	0.01	0.00	0.03	0.20	0.00	0.20	0.20
<b>KAFFRINE</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.06	0.02	0.02	0.10	0.25	0.00	0.24	0.25
<b>KEDOUGOU</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.09	0.02	0.05	0.14	0.15	0.00	0.14	0.15
<b>SEDHIOU</b>	Source of lighting: Candle, hurricane lamp / oil lamp	0.22	0.03	0.17	0.27	0.38	0.00	0.37	0.38
<b>DAKAR</b>	Source of lighting: Electricity	0.93	0.01	0.90	0.95	0.94	0.00	0.94	0.94
<b>ZIGUINCHOR</b>	Source of lighting: Electricity	0.55	0.03	0.48	0.61	0.54	0.00	0.54	0.55
<b>DIORBEL</b>	Source of lighting: Electricity	0.48	0.04	0.39	0.56	0.51	0.00	0.50	0.51
<b>SAINT-LOUIS</b>	Source of lighting: Electricity	0.54	0.03	0.48	0.59	0.51	0.00	0.51	0.52
<b>TAMBACOUNDA</b>	Source of lighting: Electricity	0.28	0.02	0.23	0.32	0.25	0.00	0.25	0.25
<b>KAOLACK</b>	Source of lighting: Electricity	0.40	0.03	0.33	0.46	0.40	0.00	0.40	0.40
<b>THIES</b>	Source of lighting: Electricity	0.56	0.03	0.51	0.61	0.62	0.00	0.62	0.63
<b>LOUGA</b>	Source of lighting: Electricity	0.33	0.03	0.28	0.38	0.35	0.00	0.35	0.35
<b>FATICK</b>	Source of lighting: Electricity	0.23	0.02	0.18	0.27	0.27	0.00	0.27	0.28
<b>KOLDA</b>	Source of lighting: Electricity	0.27	0.02	0.22	0.31	0.20	0.00	0.20	0.21
<b>MATAM</b>	Source of lighting: Electricity	0.40	0.03	0.34	0.47	0.33	0.00	0.32	0.33
<b>KAFFRINE</b>	Source of lighting: Electricity	0.14	0.02	0.09	0.18	0.14	0.00	0.14	0.14
<b>KEDOUGOU</b>	Source of lighting: Electricity	0.14	0.02	0.11	0.18	0.16	0.00	0.15	0.16
<b>SEDHIOU</b>	Source of lighting: Electricity	0.15	0.02	0.11	0.18	0.20	0.00	0.20	0.21
<b>DAKAR</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.93	0.01	0.91	0.95	0.94	0.00	0.94	0.94
<b>ZIGUINCHOR</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.57	0.03	0.50	0.64	0.57	0.00	0.57	0.58
<b>DIORBEL</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.49	0.04	0.40	0.57	0.52	0.00	0.52	0.52
<b>SAINT-LOUIS</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.56	0.03	0.51	0.61	0.54	0.00	0.54	0.54
<b>TAMBACOUNDA</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.31	0.02	0.26	0.36	0.29	0.00	0.29	0.30
<b>KAOLACK</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.41	0.03	0.35	0.48	0.44	0.00	0.43	0.44
<b>THIES</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.58	0.03	0.52	0.63	0.64	0.00	0.64	0.64
<b>LOUGA</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.34	0.03	0.29	0.40	0.39	0.00	0.39	0.39
<b>FATICK</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.36	0.03	0.30	0.42	0.35	0.00	0.35	0.36
<b>KOLDA</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.27	0.02	0.23	0.32	0.23	0.00	0.23	0.23
<b>MATAM</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.42	0.04	0.35	0.49	0.37	0.00	0.37	0.37
<b>KAFFRINE</b>	Source of lighting: Electricity / Solar / gp. Electrical	0.16	0.02	0.11	0.21	0.17	0.00	0.17	0.17

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KEDOUGOU	Source of lighting: Electricity / Solar / gp. Electrical	0.17	0.02	0.13	0.22	0.22	0.00	0.21	0.22
SEDHIOU	Source of lighting: Electricity / Solar / gp. Electrical	0.20	0.02	0.16	0.25	0.27	0.00	0.26	0.27
DAKAR	Source of lighting: Gas lamp / rechargeable	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
ZIGUINCHOR	Source of lighting: Gas lamp / rechargeable	0.24	0.03	0.18	0.30	0.18	0.00	0.17	0.18
DIORBEL	Source of lighting: Gas lamp / rechargeable	0.17	0.03	0.13	0.22	0.24	0.00	0.24	0.24
SAINT-LOUIS	Source of lighting: Gas lamp / rechargeable	0.20	0.02	0.16	0.24	0.27	0.00	0.27	0.28
TAMBACOUNDA	Source of lighting: Gas lamp / rechargeable	0.33	0.03	0.28	0.38	0.31	0.00	0.31	0.32
KAOLACK	Source of lighting: Gas lamp / rechargeable	0.50	0.03	0.43	0.56	0.35	0.00	0.35	0.36
THIES	Source of lighting: Gas lamp / rechargeable	0.29	0.02	0.24	0.33	0.18	0.00	0.17	0.18
LOUGA	Source of lighting: Gas lamp / rechargeable	0.56	0.03	0.50	0.62	0.33	0.00	0.32	0.33
FATICK	Source of lighting: Gas lamp / rechargeable	0.36	0.03	0.30	0.42	0.47	0.00	0.46	0.47
KOLDA	Source of lighting: Gas lamp / rechargeable	0.57	0.03	0.52	0.63	0.32	0.00	0.31	0.32
MATAM	Source of lighting: Gas lamp / rechargeable	0.47	0.04	0.40	0.54	0.30	0.00	0.29	0.30
KAFFRINE	Source of lighting: Gas lamp / rechargeable	0.61	0.04	0.54	0.68	0.53	0.00	0.53	0.53
KEDOUGOU	Source of lighting: Gas lamp / rechargeable	0.29	0.03	0.23	0.35	0.50	0.00	0.50	0.51
SEDHIOU	Source of lighting: Gas lamp / rechargeable	0.56	0.03	0.49	0.62	0.31	0.00	0.31	0.32
DAKAR	Source of lighting: Lamp	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
ZIGUINCHOR	Source of lighting: Lamp	0.35	0.03	0.29	0.42	0.31	0.00	0.31	0.32
DIORBEL	Source of lighting: Lamp	0.27	0.03	0.21	0.33	0.33	0.00	0.33	0.33
SAINT-LOUIS	Source of lighting: Lamp	0.23	0.02	0.18	0.28	0.35	0.00	0.35	0.35
TAMBACOUNDA	Source of lighting: Lamp	0.34	0.03	0.29	0.39	0.45	0.00	0.45	0.46
KAOLACK	Source of lighting: Lamp	0.51	0.03	0.44	0.57	0.44	0.00	0.43	0.44
THIES	Source of lighting: Lamp	0.30	0.02	0.25	0.35	0.23	0.00	0.23	0.23
LOUGA	Source of lighting: Lamp	0.58	0.03	0.52	0.64	0.48	0.00	0.47	0.48
FATICK	Source of lighting: Lamp	0.40	0.03	0.34	0.47	0.54	0.00	0.53	0.54
KOLDA	Source of lighting: Lamp	0.59	0.03	0.53	0.65	0.40	0.00	0.40	0.41
MATAM	Source of lighting: Lamp	0.49	0.04	0.42	0.55	0.48	0.00	0.47	0.48
KAFFRINE	Source of lighting: Lamp	0.62	0.04	0.55	0.69	0.69	0.00	0.68	0.69
KEDOUGOU	Source of lighting: Lamp	0.36	0.03	0.29	0.42	0.57	0.00	0.56	0.58
SEDHIOU	Source of lighting: Lamp	0.60	0.03	0.54	0.66	0.51	0.00	0.51	0.52
DAKAR	Source of lighting: Other (4 cat)	0.02	0.01	0.01	0.03	0.00	0.00	0.00	0.00

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
ZIGUINCHOR	Source of lighting: Other (4 cat)	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
DIORBEL	Source of lighting: Other (4 cat)	0.11	0.03	0.05	0.18	0.02	0.00	0.02	0.03
SAINT-LOUIS	Source of lighting: Other (4 cat)	0.20	0.02	0.15	0.24	0.07	0.00	0.07	0.07
TAMBACOUNDA	Source of lighting: Other (4 cat)	0.30	0.03	0.24	0.35	0.13	0.00	0.13	0.14
KAOLACK	Source of lighting: Other (4 cat)	0.02	0.01	0.01	0.04	0.02	0.00	0.02	0.02
THIES	Source of lighting: Other (4 cat)	0.05	0.01	0.03	0.07	0.01	0.00	0.01	0.01
LOUGA	Source of lighting: Other (4 cat)	0.04	0.01	0.02	0.07	0.06	0.00	0.06	0.06
FATICK	Source of lighting: Other (4 cat)	0.13	0.03	0.08	0.18	0.02	0.00	0.01	0.02
KOLDA	Source of lighting: Other (4 cat)	0.06	0.01	0.03	0.09	0.12	0.00	0.12	0.13
MATAM	Source of lighting: Other (4 cat)	0.09	0.02	0.06	0.12	0.13	0.00	0.13	0.13
KAFFRINE	Source of lighting: Other (4 cat)	0.17	0.03	0.11	0.23	0.05	0.00	0.05	0.06
KEDOUGOU	Source of lighting: Other (4 cat)	0.44	0.03	0.38	0.51	0.13	0.00	0.13	0.14
SEDHIOU	Source of lighting: Other (4 cat)	0.02	0.01	0.00	0.04	0.04	0.00	0.04	0.05
DAKAR	Source of lighting: Other (5 cat)	0.02	0.01	0.01	0.03	0.00	0.00	0.00	0.00
ZIGUINCHOR	Source of lighting: Other (5 cat)	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.01
DIORBEL	Source of lighting: Other (5 cat)	0.11	0.03	0.05	0.18	0.03	0.00	0.02	0.03
SAINT-LOUIS	Source of lighting: Other (5 cat)	0.21	0.02	0.17	0.26	0.07	0.00	0.07	0.07
TAMBACOUNDA	Source of lighting: Other (5 cat)	0.30	0.03	0.24	0.36	0.14	0.00	0.13	0.14
KAOLACK	Source of lighting: Other (5 cat)	0.02	0.01	0.01	0.04	0.02	0.00	0.02	0.02
THIES	Source of lighting: Other (5 cat)	0.05	0.01	0.03	0.07	0.01	0.00	0.01	0.01
LOUGA	Source of lighting: Other (5 cat)	0.04	0.01	0.02	0.07	0.06	0.00	0.06	0.06
FATICK	Source of lighting: Other (5 cat)	0.13	0.03	0.08	0.19	0.02	0.00	0.02	0.02
KOLDA	Source of lighting: Other (5 cat)	0.06	0.01	0.04	0.09	0.12	0.00	0.12	0.13
MATAM	Source of lighting: Other (5 cat)	0.09	0.02	0.06	0.12	0.13	0.00	0.13	0.13
KAFFRINE	Source of lighting: Other (5 cat)	0.18	0.03	0.11	0.24	0.06	0.00	0.05	0.06
KEDOUGOU	Source of lighting: Other (5 cat)	0.45	0.03	0.39	0.52	0.14	0.00	0.13	0.14
SEDHIOU	Source of lighting: Other (5 cat)	0.04	0.01	0.01	0.06	0.05	0.00	0.04	0.05
DAKAR	Source of lighting: Solar	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
ZIGUINCHOR	Source of lighting: Solar	0.02	0.01	0.00	0.04	0.03	0.00	0.03	0.03
DIORBEL	Source of lighting: Solar	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
SAINT-LOUIS	Source of lighting: Solar	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
TAMBACOUNDA	Source of lighting: Solar	0.02	0.01	0.01	0.04	0.04	0.00	0.04	0.04
KAOLACK	Source of lighting: Solar	0.02	0.01	0.00	0.03	0.03	0.00	0.03	0.03
THIES	Source of lighting: Solar	0.01	0.01	0.00	0.03	0.02	0.00	0.02	0.02
LOUGA	Source of lighting: Solar	0.01	0.01	0.00	0.03	0.04	0.00	0.04	0.04
FATICK	Source of lighting: Solar	0.13	0.02	0.08	0.17	0.08	0.00	0.07	0.08
KOLDA	Source of lighting: Solar	0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.03
MATAM	Source of lighting: Solar	0.02	0.01	0.00	0.03	0.04	0.00	0.04	0.04
KAFFRINE	Source of lighting: Solar	0.02	0.01	0.00	0.04	0.03	0.00	0.03	0.03
KEDOUGOU	Source of lighting: Solar	0.02	0.01	0.00	0.04	0.06	0.00	0.05	0.06

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
SEDHIOU	Source of lighting: Solar	0.04	0.01	0.01	0.07	0.06	0.00	0.06	0.06
DAKAR	Tenure: (Co)owner	0.49	0.02	0.44	0.54	0.42	0.00	0.42	0.42
ZIGUINCHOR	Tenure: (Co)owner	0.71	0.03	0.65	0.77	0.65	0.00	0.65	0.65
DIOURBEL	Tenure: (Co)owner	0.92	0.02	0.88	0.96	0.93	0.00	0.93	0.93
SAINT-LOUIS	Tenure: (Co)owner	0.88	0.02	0.85	0.91	0.85	0.00	0.85	0.86
TAMBACOUNDA	Tenure: (Co)owner	0.83	0.02	0.79	0.87	0.83	0.00	0.83	0.83
KAOLACK	Tenure: (Co)owner	0.88	0.02	0.84	0.93	0.86	0.00	0.86	0.87
THIES	Tenure: (Co)owner	0.86	0.02	0.82	0.89	0.80	0.00	0.80	0.81
LOUGA	Tenure: (Co)owner	0.95	0.01	0.93	0.97	0.93	0.00	0.93	0.93
FATICK	Tenure: (Co)owner	0.90	0.02	0.87	0.93	0.91	0.00	0.91	0.91
KOLDA	Tenure: (Co)owner	0.88	0.02	0.84	0.91	0.88	0.00	0.88	0.88
MATAM	Tenure: (Co)owner	0.91	0.02	0.88	0.94	0.93	0.00	0.93	0.93
KAFFRINE	Tenure: (Co)owner	0.92	0.02	0.88	0.95	0.94	0.00	0.94	0.94
KEDOUGOU	Tenure: (Co)owner	0.94	0.01	0.92	0.96	0.90	0.00	0.89	0.90
SEDHIOU	Tenure: (Co)owner	0.90	0.02	0.87	0.93	0.91	0.00	0.91	0.91
DAKAR	Tenure: (Co)renter	0.42	0.02	0.38	0.47	0.53	0.00	0.53	0.53
ZIGUINCHOR	Tenure: (Co)renter	0.20	0.03	0.15	0.26	0.27	0.00	0.27	0.28
DIOURBEL	Tenure: (Co)renter	0.03	0.01	0.01	0.05	0.04	0.00	0.04	0.04
SAINT-LOUIS	Tenure: (Co)renter	0.07	0.01	0.04	0.09	0.11	0.00	0.10	0.11
TAMBACOUNDA	Tenure: (Co)renter	0.12	0.02	0.09	0.15	0.14	0.00	0.13	0.14
KAOLACK	Tenure: (Co)renter	0.08	0.02	0.04	0.11	0.10	0.00	0.10	0.10
THIES	Tenure: (Co)renter	0.08	0.01	0.05	0.10	0.14	0.00	0.14	0.15
LOUGA	Tenure: (Co)renter	0.03	0.01	0.02	0.04	0.04	0.00	0.04	0.04
FATICK	Tenure: (Co)renter	0.04	0.01	0.02	0.05	0.06	0.00	0.06	0.06
KOLDA	Tenure: (Co)renter	0.07	0.01	0.05	0.09	0.09	0.00	0.09	0.10
MATAM	Tenure: (Co)renter	0.03	0.01	0.02	0.04	0.05	0.00	0.05	0.05
KAFFRINE	Tenure: (Co)renter	0.03	0.01	0.02	0.04	0.03	0.00	0.03	0.03
KEDOUGOU	Tenure: (Co)renter	0.04	0.01	0.02	0.06	0.08	0.00	0.08	0.09
SEDHIOU	Tenure: (Co)renter	0.03	0.00	0.02	0.04	0.06	0.00	0.06	0.06
DAKAR	Tenure: Housed by someone	0.07	0.01	0.04	0.10	0.04	0.00	0.04	0.04
ZIGUINCHOR	Tenure: Housed by someone	0.07	0.02	0.04	0.11	0.07	0.00	0.07	0.07
DIOURBEL	Tenure: Housed by someone	0.04	0.02	0.01	0.07	0.02	0.00	0.02	0.02
SAINT-LOUIS	Tenure: Housed by someone	0.05	0.01	0.03	0.07	0.03	0.00	0.03	0.03
TAMBACOUNDA	Tenure: Housed by someone	0.04	0.01	0.02	0.06	0.03	0.00	0.02	0.03
KAOLACK	Tenure: Housed by someone	0.03	0.01	0.01	0.06	0.03	0.00	0.03	0.03
THIES	Tenure: Housed by someone	0.05	0.01	0.03	0.08	0.04	0.00	0.04	0.04
LOUGA	Tenure: Housed by someone	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
FATICK	Tenure: Housed by someone	0.03	0.01	0.02	0.04	0.03	0.00	0.03	0.03
KOLDA	Tenure: Housed by someone	0.04	0.01	0.02	0.06	0.02	0.00	0.02	0.02
MATAM	Tenure: Housed by someone	0.04	0.01	0.01	0.06	0.02	0.00	0.02	0.02

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KAFFRINE	Tenure: Housed by someone	0.05	0.02	0.01	0.08	0.02	0.00	0.02	0.03
KEDOUGOU	Tenure: Housed by someone	0.02	0.01	0.00	0.03	0.01	0.00	0.01	0.02
SEDHIOU	Tenure: Housed by someone	0.05	0.01	0.03	0.08	0.03	0.00	0.02	0.03
DAKAR	Tenure: Other	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
ZIGUINCHOR	Tenure: Other	0.01	0.01	0.00	0.03	0.01	0.00	0.01	0.01
DIORBEL	Tenure: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
SAINT-LOUIS	Tenure: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
TAMBACOUNDA	Tenure: Other	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
KAOLACK	Tenure: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
THIES	Tenure: Other	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01
LOUGA	Tenure: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
FATICK	Tenure: Other	0.04	0.01	0.01	0.06	0.00	0.00	0.00	0.01
KOLDA	Tenure: Other	0.02	0.01	0.00	0.03	0.00	0.00	0.00	0.00
MATAM	Tenure: Other	0.02	0.01	0.01	0.04	0.00	0.00	0.00	0.00
KAFFRINE	Tenure: Other	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
KEDOUGOU	Tenure: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
SEDHIOU	Tenure: Other	0.02	0.01	0.00	0.04	0.01	0.00	0.01	0.01
DAKAR	Toilet facility: Covered latrines	0.03	0.01	0.02	0.05	0.07	0.00	0.07	0.07
ZIGUINCHOR	Toilet facility: Covered latrines	0.22	0.03	0.16	0.27	0.24	0.00	0.24	0.24
DIORBEL	Toilet facility: Covered latrines	0.07	0.01	0.05	0.10	0.23	0.00	0.22	0.23
SAINT-LOUIS	Toilet facility: Covered latrines	0.18	0.02	0.14	0.22	0.21	0.00	0.21	0.21
TAMBACOUNDA	Toilet facility: Covered latrines	0.14	0.02	0.10	0.17	0.18	0.00	0.18	0.19
KAOLACK	Toilet facility: Covered latrines	0.11	0.02	0.08	0.15	0.23	0.00	0.22	0.23
THIES	Toilet facility: Covered latrines	0.02	0.01	0.01	0.04	0.25	0.00	0.25	0.26
LOUGA	Toilet facility: Covered latrines	0.16	0.02	0.13	0.20	0.23	0.00	0.23	0.23
FATICK	Toilet facility: Covered latrines	0.12	0.02	0.08	0.16	0.18	0.00	0.18	0.18
KOLDA	Toilet facility: Covered latrines	0.11	0.02	0.07	0.15	0.21	0.00	0.21	0.21
MATAM	Toilet facility: Covered latrines	0.30	0.03	0.23	0.37	0.19	0.00	0.19	0.20
KAFFRINE	Toilet facility: Covered latrines	0.19	0.03	0.13	0.24	0.17	0.00	0.17	0.17
KEDOUGOU	Toilet facility: Covered latrines	0.06	0.01	0.04	0.09	0.18	0.00	0.17	0.18
SEDHIOU	Toilet facility: Covered latrines	0.29	0.03	0.23	0.35	0.15	0.00	0.15	0.15
DAKAR	Toilet facility: Flush with septic tank	0.51	0.02	0.46	0.56	0.47	0.00	0.47	0.47
ZIGUINCHOR	Toilet facility: Flush with septic tank	0.13	0.02	0.08	0.17	0.19	0.00	0.19	0.20
DIORBEL	Toilet facility: Flush with septic tank	0.64	0.04	0.57	0.71	0.38	0.00	0.37	0.38
SAINT-LOUIS	Toilet facility: Flush with septic tank	0.45	0.03	0.40	0.50	0.30	0.00	0.30	0.30
TAMBACOUNDA	Toilet facility: Flush with septic tank	0.16	0.02	0.12	0.19	0.11	0.00	0.10	0.11
KAOLACK	Toilet facility: Flush with septic tank	0.35	0.03	0.28	0.41	0.25	0.00	0.25	0.26

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>THIES</b>	Toilet facility: Flush with septic tank	0.63	0.02	0.58	0.68	0.43	0.00	0.43	0.43
<b>LOUGA</b>	Toilet facility: Flush with septic tank	0.42	0.03	0.36	0.48	0.28	0.00	0.28	0.29
<b>FATICK</b>	Toilet facility: Flush with septic tank	0.34	0.03	0.28	0.40	0.26	0.00	0.25	0.26
<b>KOLDA</b>	Toilet facility: Flush with septic tank	0.07	0.01	0.05	0.10	0.06	0.00	0.06	0.06
<b>MATAM</b>	Toilet facility: Flush with septic tank	0.14	0.02	0.10	0.18	0.13	0.00	0.13	0.14
<b>KAFFRINE</b>	Toilet facility: Flush with septic tank	0.13	0.02	0.08	0.17	0.10	0.00	0.10	0.10
<b>KEDOUGOU</b>	Toilet facility: Flush with septic tank	0.08	0.02	0.05	0.11	0.06	0.00	0.06	0.07
<b>SEDHIOU</b>	Toilet facility: Flush with septic tank	0.03	0.01	0.02	0.05	0.04	0.00	0.04	0.04
<b>DAKAR</b>	Toilet facility: Flush with sewage	0.45	0.03	0.40	0.50	0.41	0.00	0.41	0.41
<b>ZIGUINCHOR</b>	Toilet facility: Flush with sewage	0.05	0.01	0.02	0.07	0.04	0.00	0.04	0.04
<b>DIOURBEL</b>	Toilet facility: Flush with sewage	0.04	0.01	0.02	0.06	0.04	0.00	0.04	0.05
<b>SAINT-LOUIS</b>	Toilet facility: Flush with sewage	0.05	0.01	0.03	0.08	0.07	0.00	0.07	0.08
<b>TAMBACOUNDA</b>	Toilet facility: Flush with sewage	0.02	0.01	0.01	0.04	0.02	0.00	0.02	0.02
<b>KAOLACK</b>	Toilet facility: Flush with sewage	0.03	0.01	0.01	0.05	0.05	0.00	0.05	0.05
<b>THIES</b>	Toilet facility: Flush with sewage	0.02	0.01	0.01	0.04	0.06	0.00	0.06	0.07
<b>LOUGA</b>	Toilet facility: Flush with sewage	0.01	0.00	0.00	0.02	0.05	0.00	0.05	0.06
<b>FATICK</b>	Toilet facility: Flush with sewage	0.04	0.01	0.02	0.06	0.02	0.00	0.02	0.02
<b>KOLDA</b>	Toilet facility: Flush with sewage	0.04	0.01	0.02	0.06	0.02	0.00	0.02	0.02
<b>MATAM</b>	Toilet facility: Flush with sewage	0.01	0.01	-0.01	0.03	0.03	0.00	0.03	0.03
<b>KAFFRINE</b>	Toilet facility: Flush with sewage	0.01	0.00	0.00	0.01	0.02	0.00	0.02	0.02
<b>KEDOUGOU</b>	Toilet facility: Flush with sewage	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
<b>SEDHIOU</b>	Toilet facility: Flush with sewage	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>DAKAR</b>	Toilet facility: Improved facilities	0.96	0.01	0.94	0.98	0.88	0.00	0.88	0.88
<b>ZIGUINCHOR</b>	Toilet facility: Improved facilities	0.17	0.03	0.12	0.22	0.23	0.00	0.23	0.23
<b>DIOURBEL</b>	Toilet facility: Improved facilities	0.68	0.03	0.61	0.75	0.42	0.00	0.42	0.42
<b>SAINT-LOUIS</b>	Toilet facility: Improved facilities	0.51	0.03	0.45	0.56	0.37	0.00	0.37	0.38
<b>TAMBACOUNDA</b>	Toilet facility: Improved facilities	0.18	0.02	0.14	0.22	0.13	0.00	0.12	0.13
<b>KAOLACK</b>	Toilet facility: Improved facilities	0.38	0.03	0.32	0.45	0.30	0.00	0.30	0.30
<b>THIES</b>	Toilet facility: Improved facilities	0.65	0.02	0.60	0.70	0.50	0.00	0.49	0.50
<b>LOUGA</b>	Toilet facility: Improved facilities	0.43	0.03	0.37	0.49	0.34	0.00	0.33	0.34
<b>FATICK</b>	Toilet facility: Improved facilities	0.38	0.03	0.32	0.44	0.27	0.00	0.27	0.28
<b>KOLDA</b>	Toilet facility: Improved facilities	0.11	0.02	0.08	0.14	0.08	0.00	0.08	0.08
<b>MATAM</b>	Toilet facility: Improved facilities	0.15	0.02	0.11	0.19	0.16	0.00	0.16	0.17
<b>KAFFRINE</b>	Toilet facility: Improved facilities	0.13	0.02	0.09	0.18	0.12	0.00	0.12	0.12
<b>KEDOUGOU</b>	Toilet facility: Improved facilities	0.08	0.02	0.05	0.12	0.07	0.00	0.07	0.08
<b>SEDHIOU</b>	Toilet facility: Improved facilities	0.04	0.01	0.02	0.05	0.05	0.00	0.05	0.05

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
<b>DAKAR</b>	Toilet facility: Nature	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
<b>ZIGUINCHOR</b>	Toilet facility: Nature	0.08	0.02	0.04	0.11	0.05	0.00	0.05	0.05
<b>DIOURBEL</b>	Toilet facility: Nature	0.10	0.02	0.05	0.14	0.12	0.00	0.12	0.12
<b>SAINT-LOUIS</b>	Toilet facility: Nature	0.13	0.02	0.10	0.17	0.17	0.00	0.16	0.17
<b>TAMBACOUNDA</b>	Toilet facility: Nature	0.18	0.02	0.13	0.23	0.17	0.00	0.17	0.18
<b>KAOLACK</b>	Toilet facility: Nature	0.22	0.03	0.16	0.27	0.14	0.00	0.14	0.14
<b>THIES</b>	Toilet facility: Nature	0.16	0.02	0.12	0.20	0.09	0.00	0.09	0.09
<b>LOUGA</b>	Toilet facility: Nature	0.30	0.03	0.24	0.36	0.25	0.00	0.25	0.25
<b>FATICK</b>	Toilet facility: Nature	0.27	0.03	0.21	0.34	0.28	0.00	0.27	0.28
<b>KOLDA</b>	Toilet facility: Nature	0.04	0.01	0.02	0.07	0.08	0.00	0.08	0.08
<b>MATAM</b>	Toilet facility: Nature	0.28	0.03	0.22	0.34	0.28	0.00	0.28	0.28
<b>KAFFRINE</b>	Toilet facility: Nature	0.44	0.04	0.36	0.51	0.29	0.00	0.29	0.30
<b>KEDOUGOU</b>	Toilet facility: Nature	0.43	0.03	0.36	0.50	0.40	0.00	0.40	0.41
<b>SEDHIOU</b>	Toilet facility: Nature	0.10	0.03	0.06	0.15	0.12	0.00	0.11	0.12
<b>DAKAR</b>	Toilet facility: Non-covered latrines	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.03
<b>ZIGUINCHOR</b>	Toilet facility: Non-covered latrines	0.37	0.03	0.30	0.44	0.42	0.00	0.41	0.42
<b>DIOURBEL</b>	Toilet facility: Non-covered latrines	0.03	0.01	0.01	0.06	0.15	0.00	0.15	0.16
<b>SAINT-LOUIS</b>	Toilet facility: Non-covered latrines	0.11	0.02	0.07	0.14	0.18	0.00	0.18	0.19
<b>TAMBACOUNDA</b>	Toilet facility: Non-covered latrines	0.41	0.03	0.35	0.47	0.45	0.00	0.45	0.46
<b>KAOLACK</b>	Toilet facility: Non-covered latrines	0.10	0.02	0.07	0.14	0.27	0.00	0.27	0.27
<b>THIES</b>	Toilet facility: Non-covered latrines	0.04	0.01	0.02	0.06	0.10	0.00	0.10	0.11
<b>LOUGA</b>	Toilet facility: Non-covered latrines	0.06	0.01	0.03	0.08	0.13	0.00	0.12	0.13
<b>FATICK</b>	Toilet facility: Non-covered latrines	0.05	0.02	0.02	0.08	0.17	0.00	0.17	0.17
<b>KOLDA</b>	Toilet facility: Non-covered latrines	0.62	0.03	0.56	0.67	0.59	0.00	0.58	0.59
<b>MATAM</b>	Toilet facility: Non-covered latrines	0.15	0.02	0.10	0.19	0.26	0.00	0.25	0.26
<b>KAFFRINE</b>	Toilet facility: Non-covered latrines	0.12	0.02	0.08	0.16	0.33	0.00	0.32	0.33
<b>KEDOUGOU</b>	Toilet facility: Non-covered latrines	0.28	0.03	0.22	0.34	0.30	0.00	0.29	0.31
<b>SEDHIOU</b>	Toilet facility: Non-covered latrines	0.49	0.03	0.42	0.55	0.60	0.00	0.60	0.61
<b>DAKAR</b>	Toilet facility: Non-improved facilities	0.01	0.00	0.00	0.02	0.05	0.00	0.04	0.05
<b>ZIGUINCHOR</b>	Toilet facility: Non-improved facilities	0.50	0.03	0.43	0.56	0.50	0.00	0.50	0.50
<b>DIOURBEL</b>	Toilet facility: Non-improved facilities	0.24	0.03	0.18	0.30	0.31	0.00	0.30	0.31
<b>SAINT-LOUIS</b>	Toilet facility: Non-improved facilities	0.30	0.03	0.25	0.35	0.39	0.00	0.39	0.39
<b>TAMBACOUNDA</b>	Toilet facility: Non-improved facilities	0.64	0.03	0.59	0.69	0.66	0.00	0.66	0.66
<b>KAOLACK</b>	Toilet facility: Non-improved facilities	0.44	0.03	0.37	0.50	0.44	0.00	0.44	0.44
<b>THIES</b>	Toilet facility: Non-improved facilities	0.28	0.02	0.24	0.33	0.22	0.00	0.22	0.22
<b>LOUGA</b>	Toilet facility: Non-improved facilities	0.39	0.03	0.33	0.45	0.41	0.00	0.41	0.41

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
FATICK	Toilet facility: Non-improved facilities	0.46	0.03	0.39	0.52	0.49	0.00	0.48	0.49
KOLDA	Toilet facility: Non-improved facilities	0.70	0.03	0.65	0.76	0.69	0.00	0.69	0.69
MATAM	Toilet facility: Non-improved facilities	0.46	0.04	0.39	0.52	0.58	0.00	0.57	0.58
KAFFRINE	Toilet facility: Non-improved facilities	0.66	0.03	0.59	0.72	0.68	0.00	0.68	0.69
KEDOUGOU	Toilet facility: Non-improved facilities	0.82	0.02	0.77	0.86	0.73	0.00	0.73	0.74
SEDHIOU	Toilet facility: Non-improved facilities	0.65	0.03	0.59	0.72	0.78	0.00	0.78	0.79
DAKAR	Toilet facility: Other	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
ZIGUINCHOR	Toilet facility: Other	0.05	0.01	0.02	0.08	0.03	0.00	0.03	0.03
DIORBEL	Toilet facility: Other	0.11	0.02	0.07	0.15	0.03	0.00	0.03	0.03
SAINT-LOUIS	Toilet facility: Other	0.06	0.01	0.03	0.09	0.04	0.00	0.04	0.04
TAMBACOUNDA	Toilet facility: Other	0.05	0.01	0.03	0.07	0.03	0.00	0.03	0.03
KAOLACK	Toilet facility: Other	0.12	0.02	0.08	0.16	0.03	0.00	0.03	0.03
THIES	Toilet facility: Other	0.08	0.01	0.05	0.11	0.03	0.00	0.03	0.03
LOUGA	Toilet facility: Other	0.03	0.01	0.01	0.04	0.03	0.00	0.03	0.04
FATICK	Toilet facility: Other	0.13	0.02	0.09	0.17	0.04	0.00	0.04	0.04
KOLDA	Toilet facility: Other	0.05	0.01	0.02	0.07	0.03	0.00	0.02	0.03
MATAM	Toilet facility: Other	0.03	0.01	0.01	0.05	0.04	0.00	0.04	0.04
KAFFRINE	Toilet facility: Other	0.10	0.02	0.05	0.14	0.06	0.00	0.06	0.06
KEDOUGOU	Toilet facility: Other	0.10	0.02	0.06	0.14	0.03	0.00	0.03	0.03
SEDHIOU	Toilet facility: Other	0.06	0.02	0.03	0.09	0.06	0.00	0.06	0.06
DAKAR	Toilet facility: Slightly improved facilities	0.03	0.01	0.02	0.05	0.08	0.00	0.08	0.08
ZIGUINCHOR	Toilet facility: Slightly improved facilities	0.33	0.03	0.27	0.40	0.27	0.00	0.27	0.27
DIORBEL	Toilet facility: Slightly improved facilities	0.08	0.01	0.05	0.11	0.27	0.00	0.27	0.28
SAINT-LOUIS	Toilet facility: Slightly improved facilities	0.19	0.02	0.15	0.23	0.24	0.00	0.23	0.24
TAMBACOUNDA	Toilet facility: Slightly improved facilities	0.18	0.02	0.14	0.22	0.21	0.00	0.21	0.22
KAOLACK	Toilet facility: Slightly improved facilities	0.18	0.02	0.13	0.23	0.26	0.00	0.26	0.26
THIES	Toilet facility: Slightly improved facilities	0.07	0.01	0.04	0.09	0.29	0.00	0.28	0.29
LOUGA	Toilet facility: Slightly improved facilities	0.18	0.02	0.14	0.22	0.25	0.00	0.25	0.25
FATICK	Toilet facility: Slightly improved facilities	0.16	0.03	0.11	0.22	0.24	0.00	0.24	0.24
KOLDA	Toilet facility: Slightly improved facilities	0.18	0.02	0.14	0.23	0.23	0.00	0.23	0.23
MATAM	Toilet facility: Slightly improved facilities	0.39	0.04	0.32	0.46	0.26	0.00	0.26	0.26

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KAFFRINE	Toilet facility: Slightly improved facilities	0.21	0.03	0.15	0.27	0.20	0.00	0.19	0.20
KEDOUGOU	Toilet facility: Slightly improved facilities	0.10	0.02	0.07	0.13	0.19	0.00	0.19	0.20
SEDHIOU	Toilet facility: Slightly improved facilities	0.31	0.03	0.25	0.37	0.17	0.00	0.16	0.17
DAKAR	Toilet facility: Ventilated and improved latrines	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
ZIGUINCHOR	Toilet facility: Ventilated and improved latrines	0.11	0.02	0.07	0.16	0.03	0.00	0.03	0.03
DIOURBEL	Toilet facility: Ventilated and improved latrines	0.00	0.00	0.00	0.01	0.05	0.00	0.04	0.05
SAINT-LOUIS	Toilet facility: Ventilated and improved latrines	0.01	0.00	0.00	0.02	0.03	0.00	0.03	0.03
TAMBACOUNDA	Toilet facility: Ventilated and improved latrines	0.04	0.01	0.02	0.07	0.03	0.00	0.03	0.03
KAOLACK	Toilet facility: Ventilated and improved latrines	0.07	0.02	0.04	0.10	0.03	0.00	0.03	0.04
THIES	Toilet facility: Ventilated and improved latrines	0.04	0.01	0.02	0.06	0.03	0.00	0.03	0.03
LOUGA	Toilet facility: Ventilated and improved latrines	0.02	0.01	0.00	0.03	0.02	0.00	0.02	0.02
FATICK	Toilet facility: Ventilated and improved latrines	0.05	0.02	0.01	0.08	0.06	0.00	0.06	0.06
KOLDA	Toilet facility: Ventilated and improved latrines	0.07	0.01	0.04	0.09	0.02	0.00	0.02	0.02
MATAM	Toilet facility: Ventilated and improved latrines	0.09	0.02	0.05	0.14	0.06	0.00	0.06	0.07
KAFFRINE	Toilet facility: Ventilated and improved latrines	0.02	0.01	0.00	0.05	0.03	0.00	0.03	0.03
KEDOUGOU	Toilet facility: Ventilated and improved latrines	0.04	0.01	0.02	0.06	0.01	0.00	0.01	0.02
SEDHIOU	Toilet facility: Ventilated and improved latrines	0.02	0.01	0.00	0.04	0.02	0.00	0.02	0.02
DAKAR	Type of housing: Apartment	0.04	0.01	0.02	0.06	0.06	0.00	0.05	0.06
ZIGUINCHOR	Type of housing: Apartment	0.03	0.01	0.00	0.06	0.00	0.00	0.00	0.00
DIOURBEL	Type of housing: Apartment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAINT-LOUIS	Type of housing: Apartment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAMBACOUNDA	Type of housing: Apartment	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.01
KAOLACK	Type of housing: Apartment	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
THIES	Type of housing: Apartment	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
LOUGA	Type of housing: Apartment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FATICK	Type of housing: Apartment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOLDA	Type of housing: Apartment	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
MATAM	Type of housing: Apartment	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
KAFFRINE	Type of housing: Apartment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KEDOUGOU	Type of housing: Apartment	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01

REGION	VARIABLE_CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
SEDHIOU	Type of housing: Apartment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DAKAR	Type of housing: House on one floor	0.56	0.02	0.51	0.61	0.49	0.00	0.49	0.49
ZIGUINCHOR	Type of housing: House on one floor	0.91	0.02	0.87	0.96	0.89	0.00	0.89	0.89
DIOURBEL	Type of housing: House on one floor	0.70	0.04	0.63	0.77	0.60	0.00	0.60	0.60
SAINT-LOUIS	Type of housing: House on one floor	0.80	0.02	0.75	0.84	0.69	0.00	0.69	0.70
TAMBACOUNDA	Type of housing: House on one floor	0.44	0.03	0.38	0.49	0.37	0.00	0.36	0.37
KAOLACK	Type of housing: House on one floor	0.62	0.03	0.56	0.68	0.64	0.00	0.64	0.65
THIES	Type of housing: House on one floor	0.81	0.02	0.77	0.85	0.76	0.00	0.76	0.77
LOUGA	Type of housing: House on one floor	0.47	0.03	0.41	0.53	0.51	0.00	0.51	0.52
FATICK	Type of housing: House on one floor	0.71	0.03	0.65	0.77	0.62	0.00	0.62	0.62
KOLDA	Type of housing: House on one floor	0.40	0.03	0.34	0.45	0.34	0.00	0.34	0.34
MATAM	Type of housing: House on one floor	0.69	0.03	0.63	0.75	0.64	0.00	0.63	0.64
KAFFRINE	Type of housing: House on one floor	0.30	0.03	0.24	0.37	0.27	0.00	0.27	0.28
KEDOUGOU	Type of housing: House on one floor	0.16	0.02	0.12	0.20	0.20	0.00	0.19	0.21
SEDHIOU	Type of housing: House on one floor	0.83	0.03	0.77	0.88	0.76	0.00	0.76	0.77
DAKAR	Type of housing: Hut	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
ZIGUINCHOR	Type of housing: Hut	0.02	0.01	0.00	0.04	0.04	0.00	0.04	0.04
DIOURBEL	Type of housing: Hut	0.25	0.03	0.19	0.30	0.28	0.00	0.28	0.29
SAINT-LOUIS	Type of housing: Hut	0.12	0.02	0.09	0.16	0.21	0.00	0.21	0.21
TAMBACOUNDA	Type of housing: Hut	0.48	0.03	0.42	0.54	0.57	0.00	0.56	0.57
KAOLACK	Type of housing: Hut	0.31	0.03	0.25	0.37	0.29	0.00	0.28	0.29
THIES	Type of housing: Hut	0.13	0.02	0.10	0.17	0.12	0.00	0.12	0.12
LOUGA	Type of housing: Hut	0.50	0.03	0.44	0.56	0.43	0.00	0.43	0.43
FATICK	Type of housing: Hut	0.28	0.03	0.22	0.34	0.35	0.00	0.35	0.36
KOLDA	Type of housing: Hut	0.58	0.03	0.52	0.64	0.61	0.00	0.61	0.62
MATAM	Type of housing: Hut	0.28	0.03	0.22	0.34	0.26	0.00	0.26	0.27
KAFFRINE	Type of housing: Hut	0.68	0.03	0.62	0.75	0.70	0.00	0.70	0.71
KEDOUGOU	Type of housing: Hut	0.84	0.02	0.79	0.88	0.76	0.00	0.76	0.77
SEDHIOU	Type of housing: Hut	0.16	0.03	0.11	0.21	0.18	0.00	0.18	0.18
DAKAR	Type of housing: Other	0.01	0.01	-0.01	0.02	0.01	0.00	0.01	0.01
ZIGUINCHOR	Type of housing: Other	0.01	0.01	-0.01	0.02	0.01	0.00	0.01	0.01
DIOURBEL	Type of housing: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
SAINT-LOUIS	Type of housing: Other	0.02	0.01	0.01	0.03	0.01	0.00	0.01	0.01
TAMBACOUNDA	Type of housing: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01

REGION	VARIABLE CODE	ESPS-2				RGPHAE			
		MEAN	SE	CI95_LO	CI95_UP	MEAN	SE	CI95_LO	CI95_UP
KAOLACK	Type of housing: Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THIES	Type of housing: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
LOUGA	Type of housing: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
FATICK	Type of housing: Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOLDA	Type of housing: Other	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
MATAM	Type of housing: Other	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.02
KAFFRINE	Type of housing: Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KEDOUGOU	Type of housing: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
SEDHIOU	Type of housing: Other	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.02
DAKAR	Type of housing: Shed	0.01	0.00	0.00	0.01	0.02	0.00	0.02	0.02
ZIGUINCHOR	Type of housing: Shed	0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.02
DIORBEL	Type of housing: Shed	0.01	0.00	0.00	0.01	0.04	0.00	0.04	0.04
SAINT-LOUIS	Type of housing: Shed	0.03	0.01	0.01	0.04	0.02	0.00	0.02	0.02
TAMBACOUNDA	Type of housing: Shed	0.06	0.01	0.04	0.08	0.02	0.00	0.02	0.02
KAOLACK	Type of housing: Shed	0.04	0.01	0.02	0.06	0.03	0.00	0.02	0.03
THIES	Type of housing: Shed	0.02	0.01	0.00	0.04	0.02	0.00	0.02	0.02
LOUGA	Type of housing: Shed	0.01	0.00	0.00	0.02	0.02	0.00	0.02	0.02
FATICK	Type of housing: Shed	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
KOLDA	Type of housing: Shed	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
MATAM	Type of housing: Shed	0.01	0.01	0.00	0.03	0.05	0.00	0.05	0.05
KAFFRINE	Type of housing: Shed	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
KEDOUGOU	Type of housing: Shed	0.00	0.00	0.00	0.01	0.02	0.00	0.01	0.02
SEDHIOU	Type of housing: Shed	0.01	0.00	0.00	0.01	0.02	0.00	0.01	0.02
DAKAR	Type of housing: Story house	0.39	0.02	0.34	0.44	0.42	0.00	0.42	0.42
ZIGUINCHOR	Type of housing: Story house	0.02	0.01	0.00	0.05	0.04	0.00	0.04	0.05
DIORBEL	Type of housing: Story house	0.04	0.03	-0.01	0.09	0.06	0.00	0.06	0.06
SAINT-LOUIS	Type of housing: Story house	0.04	0.01	0.02	0.05	0.06	0.00	0.06	0.06
TAMBACOUNDA	Type of housing: Story house	0.01	0.00	0.00	0.02	0.03	0.00	0.03	0.03
KAOLACK	Type of housing: Story house	0.03	0.02	0.00	0.06	0.03	0.00	0.03	0.03
THIES	Type of housing: Story house	0.04	0.01	0.02	0.06	0.08	0.00	0.08	0.09
LOUGA	Type of housing: Story house	0.02	0.01	0.00	0.03	0.03	0.00	0.03	0.03
FATICK	Type of housing: Story house	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.01
KOLDA	Type of housing: Story house	0.01	0.00	0.00	0.01	0.02	0.00	0.01	0.02
MATAM	Type of housing: Story house	0.01	0.01	0.00	0.03	0.03	0.00	0.03	0.03
KAFFRINE	Type of housing: Story house	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
KEDOUGOU	Type of housing: Story house	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
SEDHIOU	Type of housing: Story house	0.01	0.00	0.00	0.01	0.02	0.00	0.02	0.03

Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

Note: Household-level variables are calculated using household weights and household head variables are calculated using population weights.

## Annex 2: Results of the GLS model by region

Variables	Coef- ficient	Std. Err.	t Stat	Prob >t	Description of variables
<b>Dakar</b>					
Intercept	13.23	0.08	167.80	0.00	Constant used in the model
AS14_TVD_1	0.10	0.06	1.66	0.10	Household possesses: Television
AS19_ORDINATEURD_1	0.26	0.05	5.35	0.00	Household possesses: Computer
AS31_REFRIGCONGELATD_1	0.22	0.05	4.78	0.00	Household possesses: Fridge or freezer
CACR_AS17_TELEPHONED	0.90	0.37	2.47	0.01	Household possesses: Telephone at level of CA/CR
DEPTUNI_1_1	-0.35	0.07	-4.81	0.00	Location dummy for department
DEPTUNI_4_1	-0.22	0.07	-3.39	0.00	Location dummy for department
DR_AS23_FERREPD	1.10	0.38	2.89	0.00	Household possesses: Iron at level of enumeration area
DR_CM_ETATMAT6C6	-32.71	10.54	-3.10	0.00	Head marital status: Living together at level of enumeration area
EAUPOTABLE8C1_1	0.15	0.05	2.99	0.00	Source of drinking water: Tap in the house or courtyard
ECLAIRAGE4C1_1	0.17	0.07	2.30	0.02	Source of lighting: Electricity / Solar / gp. Electrical
LOGEMENTC4_1	0.17	0.04	4.01	0.00	Type of housing: Story house
MTAILLE	-0.08	0.01	-14.75	0.00	Household size
PIECES	0.04	0.01	3.67	0.00	Number of rooms
TOILETTE7C1_1	0.11	0.05	2.05	0.04	Toilet facility: Flush with sewage
<b>Ziguinchor</b>					
Intercept	12.83	0.14	94.18	0.00	Constant used in the model
AGRICULTURED_1	-0.22	0.09	-2.29	0.02	Household is engaged in agriculture
AS01_VENTD_1	0.36	0.12	2.95	0.00	Household possesses: Fan
AS18_MOBILED_1	0.29	0.09	3.20	0.00	Household possesses: Mobile phone
AS19_ORDINATEURD_1	0.46	0.16	2.96	0.00	Household possesses: Computer
CM_EDULVLC5_1	-0.25	0.08	-3.28	0.00	Head: Highest level of education completed: Other/pre-school/other
COMBUSTIBLEC1_1	-0.20	0.10	-2.13	0.03	Cooking fuel: Wood
DEPTUNI_48_1	-0.27	0.10	-2.80	0.01	Location dummy for department
IAURBAS24_CUISINID_1	0.57	0.26	2.22	0.03	Urban household possesses: Cooker
LOCCUSTATC3_1	-0.34	0.14	-2.44	0.02	Tenure: Housed by someone
MTAILLE	-0.09	0.01	-8.50	0.00	Household size
PIECES	0.05	0.02	3.13	0.00	Number of rooms
<b>Diourbel</b>					
Intercept	12.53	0.07	176.78	0.00	Constant used in the model
AS01_VENTD_1	0.28	0.04	7.46	0.00	Household possesses: Fan
AS19_ORDINATEURD_1	0.21	0.08	2.61	0.01	Household possesses: Computer

Variables	Coef- ficient	Std. Err.	t Stat	Prob >t	Description of variables
DR_CM_ETATMAT6C2	0.73	0.14	5.14	0.00	Head marital status: Married polygam
DR_ECLAIRAGE5C5	0.77	0.16	4.88	0.00	Source of lighting: Other (wood, etc.) at level of DR
MTAILLE	-0.05	0.00	-15.94	0.00	Household size
TOILETTE3C3_1	-0.15	0.04	-3.61	0.00	Toilet facility: Non-improved facilities
TOITC4_1	-0.13	0.05	-2.86	0.00	Material of the roof: Thatch/straw
URBRURD_1	0.36	0.05	6.98	0.00	Household lives in urban area
<b>Saint-Louis</b>					
Intercept	13.14	0.07	184.78	0.00	Constant used in the model
AS19_ORDINATEURD_1	0.24	0.06	3.73	0.00	Household possesses: Computer
AS31_REFRIGCONGELATD_1	0.30	0.05	6.54	0.00	Household possesses: Fridge or freezer
AS38_BICYCLED_1	0.12	0.06	2.15	0.03	Household possesses: Bicycle
AS4041_VOITURECAMD_1	0.31	0.08	4.01	0.00	Household possesses: Car or van/truck
AS46_PIROGUED_1	0.21	0.06	3.47	0.00	Household possesses: Canoe
CACR_TOITC2	0.70	0.10	6.92	0.00	Material of the roof: Tile/slate at level of CA/CR
CM_AGECAT_OLD_1	-0.13	0.04	-3.32	0.00	Head: more than 60 years
DEPTUNI_55_1	-0.38	0.06	-6.61	0.00	Location dummy for department
ECLAIRAGE4C1_1	0.19	0.05	3.64	0.00	Source of lighting: Electricity / Solar / gp. Electrical
MTAILLE_10_1	-0.70	0.09	-7.77	0.00	Household size: 10 members
MTAILLE_11_1	-0.72	0.09	-7.76	0.00	Household size: 11 members
MTAILLE_1214_1	-0.96	0.09	-10.74	0.00	Household size: 12 to 14 members
MTAILLE_1517_1	-0.98	0.08	-11.95	0.00	Household size: 15 to 17 members
MTAILLE_1820_1	-1.07	0.11	-9.71	0.00	Household size: 18 to 20 members
MTAILLE_21_1	-1.42	0.10	-14.69	0.00	Household size: 21 or more members
MTAILLE_4_1	-0.18	0.11	-1.73	0.08	Household size: 4 members
MTAILLE_5_1	-0.22	0.09	-2.36	0.02	Household size: 5 members
MTAILLE_6_1	-0.32	0.08	-3.90	0.00	Household size: 6 members
MTAILLE_7_1	-0.43	0.09	-4.85	0.00	Household size: 7 members
MTAILLE_8_1	-0.63	0.08	-7.60	0.00	Household size: 8 members
MTAILLE_9_1	-0.64	0.08	-7.56	0.00	Household size: 9 members
SOLC2_1	0.21	0.06	3.80	0.00	Material of the floor: Tiles
URBRURD_1	-0.23	0.05	-4.96	0.00	Household lives in urban area
<b>Tambacounda</b>					
Intercept	13.45	0.11	117.57	0.00	Constant used in the model
ARR_CM_ETHNIEC6	-1.07	0.43	-2.46	0.01	Ethnicity: Mandingue/Soce at the level of arrondissement
AS01_VENTD_1	0.26	0.08	3.37	0.00	Household possesses: Fan
AS31_REFRIGCONGELATD_1	0.20	0.08	2.62	0.01	Household possesses: Fridge or freezer
CM_ETATMAT6C2_1	0.12	0.05	2.31	0.02	Head marital status: Married polygam

Variables	Coef- ficient	Std. Err.	t Stat	Prob >t	Description of variables
DEPTUNI_56_1	0.33	0.08	4.44	0.00	Location dummy for department
DEPTUNI_58_1	0.30	0.09	3.28	0.00	Location dummy for department
DR_ECLAIRAGE5C5	0.29	0.14	2.09	0.04	Source of lighting: Other (wood, etc.) at level of enumeration area
EAUPOTABLE8C4_1	-0.18	0.06	-2.89	0.00	Source of drinking water: Non-protected well
LNSIZE	-0.49	0.04	-10.92	0.00	Household size logged
SOLC4_1	-0.22	0.08	-2.83	0.00	Material of the floor: Sand
TOITC1_1	0.15	0.07	2.12	0.03	Material of the roof: Concrete
TOITC4_1	-0.24	0.07	-3.53	0.00	Material of the roof: Thatch/straw
<b>Kaolack</b>					
Intercept	12.09	0.09	141.02	0.00	Constant used in the model
AS18_MOBILED_1	0.19	0.07	2.73	0.01	Household possesses: Mobile phone
AS39_MOTOCYCD_1	0.19	0.08	2.46	0.01	Household possesses: Motorcycle
CM_ALPH_FRD_1	0.14	0.05	2.50	0.01	Head is literate in French
ECLAIRAGE4C1_1	0.30	0.06	4.92	0.00	Source of lighting: Electricity / Solar / gp. Electrical
MTAILLE	-0.04	0.00	-9.00	0.00	Household size
PIECES	0.04	0.01	3.94	0.00	Number of rooms
SOLC2_1	0.38	0.09	4.34	0.00	Material of the floor: Tiles
URBRURD_1	0.37	0.08	4.62	0.00	Household lives in urban area
<b>Thiès</b>					
Intercept	13.30	0.18	74.98	0.00	Constant used in the model
AS01_VENTD_1	0.26	0.04	6.18	0.00	Household possesses: Fan
AS19_ORDINATEURD_1	0.25	0.06	4.52	0.00	Household possesses: Computer
CACR_EL_VOLAILLESD	0.78	0.28	2.75	0.01	Household possesses: Poultry at level of CA/CR
CACR_TOILETTE3C1	0.32	0.17	1.93	0.05	Toilet facility: Improved facilities at level of CA/CR
CM_EDULVLC_SECOND_1	0.21	0.07	3.06	0.00	Head: Highest level of education completed: Secondary or higher
COMBUSTIBLEC3_1	0.11	0.04	2.42	0.02	Cooking fuel: Gas
DR_EL_ANESD	-1.76	0.33	-5.24	0.00	Household possesses: Donkeys at level of enumeration area
IAAGECLAIRAGE4C2_1	0.24	0.07	3.43	0.00	Source of lighting: Gas lamp / rechargeable if household is in agriculture
MTAILLE_10_1	-1.22	0.14	-8.53	0.00	Household size: 10 members
MTAILLE_11_1	-1.37	0.15	-9.30	0.00	Household size: 11 members
MTAILLE_1214_1	-1.38	0.14	-9.78	0.00	Household size: 12 to 14 members
MTAILLE_1517_1	-1.48	0.15	-9.88	0.00	Household size: 15 to 17 members
MTAILLE_1820_1	-1.53	0.16	-9.80	0.00	Household size: 18 to 20 members
MTAILLE_2_1	-0.46	0.21	-2.20	0.03	Household size: 2 members
MTAILLE_21_1	-1.78	0.15	-11.48	0.00	Household size: 21 or more members

Variables	Coef- ficient	Std. Err.	t Stat	Prob >t	Description of variables
MTAILLE_34_1	-0.61	0.14	-4.39	0.00	Household size: 3 or 4 members
MTAILLE_5_1	-0.78	0.14	-5.47	0.00	Household size: 5 members
MTAILLE_6_1	-0.92	0.14	-6.52	0.00	Household size: 6 members
MTAILLE_7_1	-0.95	0.14	-6.77	0.00	Household size: 7 members
MTAILLE_8_1	-1.04	0.14	-7.40	0.00	Household size: 8 members
MTAILLE_9_1	-1.08	0.15	-7.26	0.00	Household size: 9 members
PIECES	0.04	0.01	4.44	0.00	Number of rooms
TOILETTE3C3_1	-0.17	0.05	-3.23	0.00	Toilet facility: Non-improved facilities
TOITC1_1	0.16	0.04	3.80	0.00	Material of the roof: Concrete
<b>Louga</b>					
Intercept	13.18	0.10	134.56	0.00	Constant used in the model
AS01_VENTD_1	0.22	0.05	4.21	0.00	Household possesses: Fan
CM_ETATMAT6C2_1	0.13	0.04	3.15	0.00	Head marital status: Married polygam
COMBUSTIBLEC3_1	0.10	0.06	1.72	0.09	Cooking fuel: Gas
MTAILLE_1011_1	-0.80	0.10	-7.95	0.00	Household size: 10 to 11 members
MTAILLE_1214_1	-0.85	0.11	-7.46	0.00	Household size: 12 to 14 members
MTAILLE_1517_1	-0.95	0.13	-7.05	0.00	Household size: 15 to 17 members
MTAILLE_18_1	-1.01	0.14	-7.44	0.00	Household size: 18 or more members
MTAILLE_45_1	-0.36	0.10	-3.57	0.00	Household size: 4 to 5 members
MTAILLE_67_1	-0.54	0.11	-5.02	0.00	Household size: 6 to 7 members
MTAILLE_89_1	-0.77	0.10	-7.78	0.00	Household size: 8 to 9 members
TOITC1_1	0.17	0.05	3.38	0.00	Material of the roof: Concrete
URBRURD_1	0.22	0.06	3.70	0.00	Household lives in urban area
<b>Fatick</b>					
Intercept	14.36	0.26	55.89	0.00	Constant used in the model
AS14_TVD_1	0.18	0.06	3.13	0.00	Household possesses: Television
AS31_REFRIGCONGELATD_1	0.33	0.08	4.05	0.00	Household possesses: Fridge or freezer
DEPTUNI_29_1	0.27	0.09	2.95	0.00	Location dummy for department
DEPTUNI_69_1	0.21	0.05	3.95	0.00	Location dummy for department
DR_R_ENFANT	-2.60	0.56	-4.63	0.00	Ratio of household members less than 15 years old at level of enumeration area
EL_BOVIND_1	0.17	0.06	3.00	0.00	Household possesses: Cattle
IAURBLOCCUSTATC1_1	-0.31	0.06	-4.88	0.00	Tenure: (Co)owner for urban households
IAURBPIECES	0.03	0.01	2.61	0.01	Number of rooms for urban households
LNSIZE	-0.49	0.04	-12.20	0.00	Household size logged
TOILETTE7C6_1	-0.30	0.06	-5.22	0.00	Toilet facility: Nature
<b>Kolda</b>					
Intercept	13.04	0.20	64.38	0.00	Constant used in the model
AS01_VENTD_1	0.39	0.09	4.29	0.00	Household possesses: Fan
CM_EDULVLC_SECOND_1	0.18	0.10	1.85	0.07	Head: Highest level of education completed: Secondary or higher

Variables	Coef- ficient	Std. Err.	t Stat	Prob >t	Description of variables
DR_LOGEMENTC2	2.64	1.42	1.86	0.06	Type of housing: Shed at the level of the DR
EAUPOTABLE4C1_1	0.32	0.10	3.31	0.00	Source of drinking water: Tap
EL_BOVIND_1	0.40	0.07	5.34	0.00	Household possesses: Cattle
MTAILLE_1011_1	-1.32	0.18	-7.21	0.00	Household size: 10 to 11 members
MTAILLE_1214_1	-1.50	0.21	-7.19	0.00	Household size: 12 to 14 members
MTAILLE_1517_1	-1.65	0.23	-7.29	0.00	Household size: 15 to 17 members
MTAILLE_1820_1	-1.72	0.23	-7.39	0.00	Household size: 18 to 20 members
MTAILLE_21_1	-1.91	0.22	-8.70	0.00	Household size: 21 or more members
MTAILLE_23_1	-0.64	0.22	-2.93	0.00	Household size: 2 to 3 members
MTAILLE_4_1	-0.78	0.23	-3.41	0.00	Household size: 4 members
MTAILLE_56_1	-0.86	0.19	-4.54	0.00	Household size: 5 to 6 members
MTAILLE_7_1	-0.97	0.20	-4.91	0.00	Household size: 7 members
MTAILLE_89_1	-1.23	0.20	-6.27	0.00	Household size: 8 to 9 members
PIECESCAT_LOW_1	-0.19	0.07	-2.71	0.01	Number of rooms: 4 or fewer rooms
URBRURD_1	0.53	0.09	5.84	0.00	Household lives in urban area
<b>Matam</b>					
Intercept	13.20	0.14	96.61	0.00	Constant used in the model
AGRICULTURED_1	0.17	0.06	2.86	0.00	Household is engaged in agriculture
AS18_MOBILED_1	0.10	0.05	1.90	0.06	Household possesses: Mobile phone
AS4041_VOITURECAMD_1	0.74	0.06	13.09	0.00	Household possesses: Car or van/truck
CACR_LOGEMENTC3	-0.26	0.14	-1.82	0.07	Type of housing: House on one floor at the level of CA/CR
CM_AGE	-0.01	0.00	-5.58	0.00	Age of household head
DR_MURC3	-0.60	0.16	-3.84	0.00	Material of the wall: Wood/straw/stem at level of enumeration area
EL_BOVIND_1	0.20	0.04	4.88	0.00	Household possesses: Cattle
LOCCUSTATC2_1	0.42	0.12	3.45	0.00	Tenure: (Co)renter
MTAILLE	-0.05	0.00	-19.29	0.00	Household size
TOITC1_1	0.33	0.04	8.39	0.00	Material of the roof: Concrete
<b>Kaffrine</b>					
Intercept	14.12	0.18	76.74	0.00	Constant used in the model
CM_AGECAT_YOUNG_1	-0.35	0.09	-3.81	0.00	Head: less than 40 years
CM_EDULVLC5_1	-0.32	0.12	-2.74	0.01	Head: Highest level of education completed: Other/pre-school/other
COMBUSTIBLEC3_1	0.53	0.14	3.85	0.00	Cooking fuel: Gas
EL_BOVIND_1	0.39	0.07	5.53	0.00	Household possesses: Cattle
EL_VOLAILLES_1	-0.19	0.07	-2.63	0.01	Household possesses: Poultry
LNSIZE	-0.59	0.05	-11.50	0.00	Household size logged
LOGEMENTC1_1	-0.19	0.07	-2.52	0.01	Type of housing: Hut
TOILETTE3C2_1	-0.15	0.08	-1.90	0.06	Toilet facility: Slightly improved facilities

#### Kédougou

Variables	Coef- ficient	Std. Err.	t Stat	Prob >t	Description of variables
Intercept	12.19	0.20	60.80	0.00	Constant used in the model
ARR_MURC2	0.56	0.19	2.92	0.00	Material of the wall: Mud at the level of arrondissement
ARR_SOLC4	1.49	0.34	4.44	0.00	Material of the floor: Sand at the level of arrondissement
AS38_BICYCLED_1	0.17	0.04	3.98	0.00	Household possesses: Bicycle
AS39_MOTOCYCD_1	0.23	0.05	5.12	0.00	Household possesses: Motorcycle
CACR_AS39_MOTOCYCD	0.45	0.22	2.04	0.04	Household possesses: Motorcycle at the level of CA/CR
CM_AGE	0.00	0.00	-2.69	0.01	Age of household head
CM_ETATMAT6C4_1	-0.33	0.08	-3.90	0.00	Head marital status: Widowed
DEPTUNI_82_1	0.69	0.07	10.52	0.00	Location dummy for department
ECLAIRAGE4C2_1	-0.41	0.05	-8.28	0.00	Source of lighting: Gas lamp / rechargeable
EL_CAPRINS_1	0.27	0.04	7.06	0.00	Household possesses: Goats
LNSIZE	-0.50	0.03	-17.38	0.00	Household size logged
SOLC4_1	-0.29	0.06	-4.52	0.00	Material of the floor: Sand
TOILETTE3C3_1	-0.27	0.04	-6.47	0.00	Toilet facility: Non-improved facilities
URBRURD_1	1.26	0.12	10.49	0.00	Household lives in urban area
<b>Sédhiou</b>					
Intercept	12.88	0.13	98.75	0.00	Constant used in the model
AS14_TVD_1	0.26	0.05	4.98	0.00	Household possesses: Television
AS38_BICYCLED_1	0.17	0.04	3.79	0.00	Household possesses: Bicycle
CACR_TOITC3	-0.74	0.16	-4.69	0.00	Material of the roof: Zinc at level of CA/CR
DEPTUNI_85_1	-0.51	0.06	-8.55	0.00	Location dummy for department
MTAILLE1112_1	-0.42	0.08	-5.07	0.00	Household size: 11 to 12 members
MTAILLE1314_1	-0.50	0.09	-5.35	0.00	Household size: 13 to 14 members
MTAILLE910_1	-0.35	0.06	-6.03	0.00	Household size: 9 to 10 members
MTAILLE_1517_1	-0.54	0.09	-5.88	0.00	Household size: 15 to 17 members
MTAILLE_1820_1	-0.84	0.11	-7.88	0.00	Household size: 18 to 20 members
MTAILLE_21_1	-0.92	0.11	-8.66	0.00	Household size: 21 or more members
PIECES	0.03	0.01	3.15	0.00	Number of rooms
URBRURD_1	0.19	0.06	3.48	0.00	Household lives in urban area

Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

### Annex 3: Headcount rate and number of poor by CA/CR

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
1130111	DAKAR	GOREE	1327	0,289	0,076	0,139	0,438	383
1130112	DAKAR	PLATEAU	32721	0,213	0,034	0,147	0,279	6971
1130113	DAKAR	MEDINA	80891	0,247	0,055	0,140	0,355	20009
1130114	DAKAR	GUEULE TAPEE FASS COLOBANE	51973	0,205	0,050	0,106	0,303	10638
1130115	DAKAR	FANN POINT E AMITIE	17605	0,129	0,035	0,061	0,197	2272
1130121	DAKAR	GRAND DAKAR	46591	0,249	0,051	0,150	0,349	11617
1130122	DAKAR	BISCUITERIE	67958	0,257	0,052	0,155	0,359	17447
1130123	DAKAR	HLM	39094	0,149	0,040	0,071	0,227	5817
1130124	DAKAR	HANN BEL AIR	66979	0,324	0,042	0,242	0,406	21685
1130125	DAKAR	SICAP LIBERTE	46753	0,081	0,024	0,034	0,129	3808
1130126	DAKAR	DIEUPPEUL DERKLE	36433	0,121	0,030	0,062	0,180	4407
1130131	DAKAR	OUAKAM	73755	0,227	0,048	0,133	0,321	16767
1130132	DAKAR	NGOR	17300	0,232	0,042	0,150	0,314	4014
1130133	DAKAR	YOFF	88682	0,183	0,039	0,106	0,260	16212
1130134	DAKAR	MERMOZ-SACRE COEUR	28866	0,073	0,026	0,022	0,125	2111
1130141	DAKAR	GRAND YOFF	183676	0,219	0,045	0,131	0,307	40276
1130142	DAKAR	PATTE D'OIE	40899	0,224	0,033	0,160	0,288	9146
1130143	DAKAR	PARCELLES ASSAINIES	156953	0,194	0,043	0,110	0,278	30467
1130144	DAKAR	CAMBERENE	51526	0,372	0,063	0,248	0,497	19182
1230111	DAKAR	YEUMBEUL NORD	166315	0,293	0,056	0,183	0,403	48779
1230112	DAKAR	YEUMBEUL SUD	96559	0,347	0,062	0,225	0,469	33520
1230113	DAKAR	MALIKA	31726	0,309	0,046	0,218	0,399	9799
1230114	DAKAR	KEUR MASSAR	198060	0,268	0,051	0,168	0,367	53057
1230121	DAKAR	PIKINE OUEST	52090	0,118	0,034	0,051	0,185	6154
1230122	DAKAR	PIKINE EST	32290	0,166	0,053	0,063	0,269	5362
1230123	DAKAR	PIKINE NORD (SUD)	46624	0,135	0,035	0,065	0,204	6274
1230124	DAKAR	DALIFORD	30039	0,191	0,038	0,117	0,266	5746
1230125	DAKAR	DJIDAH THIAROYE KAO	96343	0,299	0,051	0,199	0,399	28843
1230126	DAKAR	GUINAW RAIL NORD	29902	0,354	0,054	0,247	0,460	10579
1230127	DAKAR	GUINAW RAIL SUD	39806	0,334	0,055	0,226	0,441	13285
1230131	DAKAR	THIAROYE SUR MER	52593	0,178	0,042	0,095	0,260	9341
1230132	DAKAR	TIVAOUANE DIACKSAO	40213	0,309	0,064	0,183	0,434	12423

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
1230133	DAKAR	DIAMAGUENE SICAP MBAO	127077	0,288	0,058	0,175	0,401	36650
1230134	DAKAR	THIAROYE GARE	24647	0,227	0,054	0,122	0,333	5598
1230135	DAKAR	MBAO	94945	0,166	0,042	0,084	0,247	15736
1310100	DAKAR	BARGNY	50805	0,357	0,059	0,241	0,473	18128
1310200	DAKAR	SEBIKOTANE	26930	0,416	0,059	0,300	0,533	11214
1310300	DAKAR	DIAMNIADIO	23350	0,535	0,060	0,417	0,652	12482
1310400	DAKAR	DIAXAY PARCELLE NIAKOULRAP	40944	0,149	0,027	0,097	0,201	6110
1310500	DAKAR	SANGALKAM	11651	0,190	0,038	0,114	0,265	2209
1310600	DAKAR	SENDOU	3125	0,220	0,065	0,091	0,348	687
1320101	DAKAR	YENE	24640	0,172	0,043	0,087	0,257	4244
1320102	DAKAR	BAMBILOR	44576	0,214	0,041	0,134	0,293	9528
1320103	DAKAR	TIVAOUANE PEULH NIAGHA	40386	0,275	0,054	0,169	0,381	11106
1330111	DAKAR	RUFISQUE NORD (CENTRE)	90950	0,351	0,061	0,232	0,470	31908
1330112	DAKAR	RUFISQUE EST	69623	0,298	0,050	0,200	0,397	20776
1330113	DAKAR	RUFISQUE OUEST	58626	0,154	0,040	0,075	0,233	9022
1430111	DAKAR	GOLF SUD	91356	0,127	0,036	0,055	0,198	11589
1430112	DAKAR	SAM NOTAIRE	78081	0,282	0,066	0,153	0,412	22040
1430113	DAKAR	NDIAREME LIMAMOULAYE	34953	0,277	0,058	0,163	0,391	9674
1430114	DAKAR	WAKHINANE NIMZATT	88687	0,353	0,071	0,214	0,492	31288
1430115	DAKAR	MEDINA GOUNASS	33530	0,514	0,061	0,394	0,635	17242
2110100	ZIGUINCHOR	BIGNONA	27507	0,618	0,039	0,542	0,694	17004
2110200	ZIGUINCHOR	THIONK ESSYL	8388	0,773	0,039	0,697	0,849	6481
2110300	ZIGUINCHOR	DILOULOU	5765	0,701	0,036	0,630	0,772	4042
2120101	ZIGUINCHOR	DJIBIDIONE	8310	0,794	0,041	0,712	0,875	6595
2120102	ZIGUINCHOR	OULAMPANE	13493	0,788	0,038	0,714	0,861	10630
2120103	ZIGUINCHOR	SINDIAN	11564	0,734	0,048	0,641	0,827	8487
2120104	ZIGUINCHOR	SUELLE	9145	0,616	0,061	0,497	0,736	5637
2120201	ZIGUINCHOR	BALINGORE	5470	0,612	0,062	0,490	0,735	3349
2120202	ZIGUINCHOR	DIEGOUNE	7511	0,678	0,048	0,583	0,773	5093
2120203	ZIGUINCHOR	KARTIACK	7938	0,632	0,056	0,522	0,743	5019
2120204	ZIGUINCHOR	MANGAGOULACK	8456	0,589	0,052	0,488	0,691	4982
2120205	ZIGUINCHOR	MLOMP	3065	0,598	0,065	0,470	0,726	1833
2120301	ZIGUINCHOR	COUBALAN	11888	0,745	0,041	0,665	0,824	8852
2120302	ZIGUINCHOR	NIAMONE	7553	0,673	0,047	0,580	0,766	5080
2120303	ZIGUINCHOR	OUONCK	10230	0,775	0,040	0,697	0,853	7931
2120304	ZIGUINCHOR	TENGHORY	30701	0,657	0,043	0,572	0,742	20181

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
2120401	ZIGUINCHOR	DJINAKY	19088	0,754	0,048	0,659	0,849	14397
2120402	ZIGUINCHOR	KAFOUNTINE	31260	0,587	0,042	0,504	0,670	18353
2120403	ZIGUINCHOR	KATABA I	23096	0,736	0,046	0,647	0,826	17008
2210100	ZIGUINCHOR	OUSSOUYE	4579	0,566	0,043	0,481	0,650	2591
2220101	ZIGUINCHOR	DJEMBERING	20467	0,598	0,059	0,483	0,713	12241
2220102	ZIGUINCHOR	SANTHIABA MANJACQUE	2973	0,755	0,058	0,642	0,868	2245
2220201	ZIGUINCHOR	MLOMP	11173	0,715	0,057	0,604	0,827	7994
2220202	ZIGUINCHOR	OUKOUT	8316	0,750	0,061	0,631	0,868	6233
2310100	ZIGUINCHOR	ZIGUINCHOR	202369	0,645	0,040	0,566	0,723	130444
2320101	ZIGUINCHOR	ADEANE	17568	0,768	0,036	0,697	0,839	13491
2320102	ZIGUINCHOR	BOUTOUPA CAMARA COUNDA	5125	0,688	0,048	0,594	0,782	3525
2320103	ZIGUINCHOR	NIAGUIS	10300	0,702	0,042	0,621	0,784	7233
2320201	ZIGUINCHOR	ENAMPORE	4595	0,505	0,068	0,372	0,638	2321
2320202	ZIGUINCHOR	NYASSIA	4916	0,606	0,058	0,494	0,719	2981
3110100	DIOURBEL	BAMBEY	28211	0,432	0,049	0,337	0,528	12198
3120101	DIOURBEL	BABA GARAGE	15615	0,727	0,037	0,654	0,800	11354
3120102	DIOURBEL	DINGUIRAYE	9344	0,708	0,042	0,626	0,790	6613
3120103	DIOURBEL	KEUR SAMBA KANE	19022	0,782	0,033	0,717	0,847	14874
3120201	DIOURBEL	GAWANE	14114	0,705	0,040	0,627	0,783	9950
3120202	DIOURBEL	LAMBAYE	27590	0,620	0,043	0,536	0,703	17097
3120203	DIOURBEL	NGOGOM	25158	0,642	0,042	0,559	0,724	16145
3120204	DIOURBEL	REFANE	33678	0,609	0,042	0,527	0,691	20508
3120301	DIOURBEL	NDANGALMA	32338	0,624	0,047	0,532	0,716	20187
3120302	DIOURBEL	NDONDOL	24237	0,810	0,037	0,737	0,882	19628
3120303	DIOURBEL	NGOYE	45796	0,789	0,037	0,716	0,862	36127
3120304	DIOURBEL	THIAKHAR	20818	0,756	0,039	0,680	0,832	15729
3210100	DIOURBEL	DIOURBEL	127217	0,420	0,053	0,316	0,524	53485
3220101	DIOURBEL	DANKH SENE	9460	0,624	0,050	0,525	0,722	5899
3220102	DIOURBEL	GADE ESCALE	3092	0,698	0,048	0,604	0,792	2157
3220103	DIOURBEL	NDINDY	13932	0,801	0,037	0,728	0,874	11164
3220104	DIOURBEL	KEUR NGALGOU	7039	0,802	0,040	0,725	0,880	5647
3220105	DIOURBEL	TAIBA MOUTOUPHA	10130	0,748	0,036	0,678	0,818	7580
3220106	DIOURBEL	TOUBA LAPPE	3102	0,671	0,045	0,584	0,759	2082
3220201	DIOURBEL	NDOULO	11845	0,685	0,037	0,612	0,758	8112
3220202	DIOURBEL	NGOHE	29899	0,764	0,030	0,705	0,823	22835
3220203	DIOURBEL	PATAR	16897	0,697	0,049	0,601	0,792	11770
3220204	DIOURBEL	TOCKY GARE	14665	0,730	0,049	0,634	0,825	10700
3220205	DIOURBEL	TOURE MBONDE	12310	0,787	0,042	0,704	0,870	9688

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
3310100	DIOURBEL	MBACKE	75381	0,361	0,058	0,247	0,475	27223
3320101	DIOURBEL	DENDEYE GOUYE GUI	5105	0,682	0,050	0,585	0,780	3484
3320102	DIOURBEL	DAROU SALAM TYP	5237	0,781	0,037	0,708	0,855	4092
3320103	DIOURBEL	KAEL	5093	0,753	0,042	0,670	0,835	3833
3320104	DIOURBEL	MADINA	5228	0,685	0,047	0,593	0,777	3580
3320105	DIOURBEL	NDIOUMANE T. THIEKENE	3916	0,750	0,049	0,655	0,845	2936
3320106	DIOURBEL	TOUBA MBOUL	9668	0,565	0,042	0,482	0,648	5459
3320107	DIOURBEL	DAROU NAHIM	2241	0,545	0,043	0,461	0,629	1222
3320108	DIOURBEL	TAIBA THIEKENE	1704	0,791	0,038	0,716	0,866	1348
3320201	DIOURBEL	DALLA NGABOU	7693	0,595	0,040	0,517	0,674	4581
3320202	DIOURBEL	MISSIRAH	6711	0,783	0,043	0,698	0,867	5253
3320203	DIOURBEL	NGAYE	4622	0,558	0,049	0,461	0,654	2577
3320204	DIOURBEL	TOUBA FALL	5953	0,706	0,043	0,622	0,789	4202
3320205	DIOURBEL	TOUBA MOSQUEE	727295	0,350	0,042	0,268	0,432	254553
3320301	DIOURBEL	SADIO	17387	0,632	0,040	0,553	0,710	10981
3320302	DIOURBEL	TAIF	14113	0,601	0,042	0,519	0,683	8479
4110100	SAINT-LOUIS	DAGANA	20889	0,462	0,046	0,371	0,552	9649
4110200	SAINT-LOUIS	RICHARD-TOLL	56162	0,523	0,058	0,409	0,637	29358
4110300	SAINT-LOUIS	ROSSO SENEGAL	15505	0,551	0,055	0,443	0,660	8550
4110400	SAINT-LOUIS	ROSS BETHIO	11318	0,288	0,039	0,212	0,364	3260
4110500	SAINT-LOUIS	GAE	7013	0,363	0,050	0,266	0,461	2549
4110600	SAINT-LOUIS	NDOMBO SANDJIRY	4424	0,419	0,043	0,333	0,504	1852
4120101	SAINT-LOUIS	MBANE	28399	0,376	0,045	0,287	0,465	10671
4120102	SAINT-LOUIS	BOKHOL	16676	0,384	0,051	0,284	0,484	6405
4120201	SAINT-LOUIS	DIAMA	34778	0,156	0,029	0,099	0,213	5422
4120202	SAINT-LOUIS	NGNITH	20851	0,451	0,037	0,379	0,523	9403
4120203	SAINT-LOUIS	RONKH	21456	0,166	0,031	0,105	0,227	3557
4210100	SAINT-LOUIS	PODOR	11216	0,468	0,039	0,391	0,544	5246
4210200	SAINT-LOUIS	NDIOUM	13779	0,536	0,056	0,426	0,645	7383
4210300	SAINT-LOUIS	GOLLERE	5817	0,563	0,052	0,462	0,664	3276
4210400	SAINT-LOUIS	NIANDANE	4673	0,622	0,049	0,526	0,717	2904
4210500	SAINT-LOUIS	BODE LAO	2437	0,643	0,051	0,542	0,744	1566
4210600	SAINT-LOUIS	DEMETTE	2989	0,464	0,038	0,390	0,539	1388
4210800	SAINT-LOUIS	GUEDE CHANTIER	5490	0,629	0,042	0,548	0,711	3456
4210900	SAINT-LOUIS	MBOUMBA	4698	0,434	0,055	0,325	0,542	2037
4211000	SAINT-LOUIS	AERE LAO	8983	0,324	0,056	0,213	0,434	2907
4211200	SAINT-LOUIS	WALALDE	3214	0,418	0,049	0,321	0,514	1343
4220101	SAINT-LOUIS	MEDINA NDIATHBE	32773	0,329	0,045	0,241	0,416	10781

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
4220102	SAINT-LOUIS	DOUMGA LAO	28655	0,361	0,039	0,284	0,438	10357
4220103	SAINT-LOUIS	MERY	16972	0,300	0,047	0,208	0,393	5098
4220201	SAINT-LOUIS	BOKI DIALLOUBE	24140	0,539	0,065	0,411	0,667	2200
4211100	SAINT-LOUIS	PETE	24140	0,335	0,041	0,254	0,416	8094
4210700	SAINT-LOUIS	GALOYA TOUCOULEUR	24446	0,390	0,039	0,313	0,467	9534
4220202	SAINT-LOUIS	MBOLO BIRANE	4999	0,379	0,044	0,292	0,467	1897
4220301	SAINT-LOUIS	FANAYE	32560	0,366	0,038	0,291	0,441	11928
4220302	SAINT-LOUIS	NDIAYENE PENDAO	30269	0,368	0,039	0,291	0,445	11137
4220401	SAINT-LOUIS	DODEL	37906	0,397	0,046	0,307	0,488	15067
4220402	SAINT-LOUIS	GAMADJI SARE	20276	0,360	0,058	0,247	0,474	7307
4220403	SAINT-LOUIS	GUEDE VILLAGE	43786	0,358	0,048	0,265	0,452	15686
4310100	SAINT-LOUIS	SAINT LOUIS	201415	0,210	0,041	0,130	0,290	42247
4310200	SAINT-LOUIS	MPAL	8102	0,434	0,067	0,303	0,564	3516
4320101	SAINT-LOUIS	GANDON	38663	0,406	0,047	0,314	0,498	15697
4320102	SAINT-LOUIS	FASS NGOM	16537	0,606	0,055	0,499	0,714	10026
4320103	SAINT-LOUIS	NDIEBENE GANDIOLE	21181	0,264	0,054	0,158	0,369	5588
5110100	TAMBACOUND A	BAKEL	12720	0,544	0,082	0,385	0,704	6924
5110200	TAMBACOUND A	DIAWARA	6485	0,684	0,061	0,565	0,802	4433
5110300	TAMBACOUND A	KIDIRA	9383	0,620	0,074	0,475	0,765	5816
5120101	TAMBACOUND A	GATHIARY	2299	0,731	0,084	0,566	0,895	1680
5120102	TAMBACOUND A	MADINA FOULBE	2319	0,552	0,091	0,374	0,730	1281
5120103	TAMBACOUND A	SADATOU	9171	0,621	0,075	0,473	0,769	5697
5120104	TAMBACOUND A	TOUMBOURA	3286	0,588	0,095	0,402	0,774	1933
5120201	TAMBACOUND A	BELE	15992	0,479	0,066	0,350	0,607	7659
5120202	TAMBACOUND A	SINTHIOU FISSA	8136	0,526	0,093	0,344	0,708	4280
5120301	TAMBACOUND A	BALLOU	17985	0,479	0,054	0,373	0,586	8623
5120302	TAMBACOUND A	GABOU	18104	0,473	0,075	0,327	0,619	8562
5120303	TAMBACOUND A	MOUDERY	20241	0,430	0,064	0,304	0,555	8696
5210100	TAMBACOUND A	TAMBACOUNDA	105567	0,564	0,076	0,414	0,713	59492

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
5220101	TAMBACOUND A	KOUSSANAR	26226	0,828	0,056	0,718	0,938	21718
5220102	TAMBACOUND A	SINTHIOU MALEME	19647	0,877	0,049	0,781	0,972	17223
5220201	TAMBACOUND A	MAKACOU LIBANTANG	34584	0,901	0,040	0,822	0,979	31147
5220202	TAMBACOUND A	NDOGA BABACAR	20042	0,923	0,032	0,861	0,985	18498
5220203	TAMBACOUND A	NIANI TOUCOULEUR	10907	0,900	0,040	0,821	0,978	9815
5220301	TAMBACOUND A	DIALACOTO	16104	0,869	0,049	0,773	0,965	13992
5220302	TAMBACOUND A	MISSIRAH	40894	0,841	0,055	0,733	0,950	34400
5220303	TAMBACOUND A	NETTEBOULOU	18012	0,893	0,037	0,820	0,966	16082
5310100	TAMBACOUND A	GOUDIRY	6796	0,239	0,082	0,079	0,399	1624
5310200	TAMBACOUND A	KOTHIARY	4121	0,361	0,093	0,179	0,542	1486
5320101	TAMBACOUND A	BALA	6019	0,400	0,088	0,227	0,574	2410
5320102	TAMBACOUND A	GOUMBAYEL	5223	0,555	0,074	0,409	0,700	2896
5320103	TAMBACOUND A	KOAR	7964	0,614	0,072	0,473	0,755	4888
5320201	TAMBACOUND A	DOUGUE	6888	0,595	0,083	0,433	0,757	4101
5320202	TAMBACOUND A	BOYNGUEL BAMBA	10828	0,563	0,063	0,440	0,686	6099
5320203	TAMBACOUND A	KOUSSAN	7132	0,547	0,087	0,376	0,718	3904
5320204	TAMBACOUND A	SINTHIOU MAMADOU BOUBOU	13295	0,571	0,079	0,415	0,726	7587
5320301	TAMBACOUND A	BANI ISRAEL	5072	0,642	0,075	0,495	0,789	3255
5320302	TAMBACOUND A	BOUTOUCOUFARA	5650	0,650	0,077	0,498	0,801	3671
5320303	TAMBACOUND A	DIANKE MAKHA	6935	0,611	0,086	0,443	0,779	4237
5320304	TAMBACOUND A	KOMOTI	8252	0,631	0,071	0,491	0,770	5204
5320401	TAMBACOUND A	KOULOR	11586	0,646	0,088	0,474	0,818	7483
5320402	TAMBACOUND A	SINTHIOU BOCAR ALI	5322	0,606	0,090	0,431	0,782	3226
5410100	TAMBACOUND A	KOUMPENTOUM	9924	0,664	0,067	0,532	0,795	6586

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
5410200	TAMBACOUND A	MALEME NIANI	2079	0,843	0,056	0,734	0,953	1754
5420101	TAMBACOUND A	BAMBA NDIAYENE (BAMBA THIALENE)	15767	0,802	0,059	0,686	0,918	12646
5420102	TAMBACOUND A	KAHENE	14995	0,836	0,058	0,724	0,949	12543
5420103	TAMBACOUND A	MERETO	13132	0,793	0,067	0,662	0,924	10413
5420104	TAMBACOUND A	NDAME	9592	0,780	0,076	0,630	0,929	7480
5420201	TAMBACOUND A	KOUTHIA GAYDI	10620	0,807	0,068	0,674	0,941	8573
5420202	TAMBACOUND A	KOUTHIBA OUOLOF	19293	0,789	0,071	0,649	0,928	15219
5420203	TAMBACOUND A	PASS KOTO	12381	0,830	0,053	0,726	0,935	10279
5420204	TAMBACOUND A	PAYAR	19473	0,803	0,067	0,673	0,934	15642
6110100	KAOLACK	KAOLACK	225602	0,296	0,056	0,185	0,406	66719
6110200	KAOLACK	KAHONE	13916	0,386	0,068	0,252	0,520	5371
6110300	KAOLACK	GANDIAYE	13542	0,448	0,074	0,303	0,592	6060
6110400	KAOLACK	NDOFFANE	12501	0,419	0,072	0,278	0,559	5235
6110500	KAOLACK	SIBASSOR	8065	0,477	0,061	0,357	0,597	3849
6120101	KAOLACK	KEUR SOCE	26403	0,762	0,045	0,673	0,850	20107
6120102	KAOLACK	NDIAFFATE	33780	0,701	0,051	0,600	0,801	23668
6120103	KAOLACK	NDIEDIENG	28282	0,777	0,050	0,679	0,875	21983
6120201	KAOLACK	LATMINGUE	28674	0,751	0,052	0,649	0,853	21525
6120202	KAOLACK	THIARE	22560	0,784	0,047	0,692	0,877	17697
6120203	KAOLACK	KEUR BAKA	19506	0,773	0,058	0,658	0,887	15071
6120301	KAOLACK	DYA	14832	0,763	0,047	0,670	0,856	11323
6120302	KAOLACK	NDIEBEL	13407	0,736	0,051	0,635	0,837	9868
6120303	KAOLACK	THIOMBY	14611	0,737	0,055	0,630	0,844	10766
6210100	KAOLACK	NIORO DU RIP	20091	0,377	0,068	0,243	0,510	7565
6210200	KAOLACK	KEUR MADIABEL	10474	0,476	0,071	0,337	0,616	4989
6220101	KAOLACK	KAYEMOR	21486	0,814	0,042	0,732	0,896	17485
6220102	KAOLACK	MEDINA SABAKH	41774	0,758	0,048	0,664	0,852	31654
6220103	KAOLACK	NGAYENE	23505	0,854	0,037	0,782	0,926	20076
6220201	KAOLACK	GAINTHE KAYE	26748	0,822	0,043	0,739	0,906	21996
6220202	KAOLACK	PAOSKOTO	16073	0,751	0,052	0,650	0,852	12066
6220203	KAOLACK	POROKHANE	32229	0,814	0,042	0,732	0,897	26249
6220204	KAOLACK	TAIBA NIASSENE	27323	0,745	0,057	0,633	0,857	20352
6220205	KAOLACK	DABALY	10619	0,819	0,048	0,725	0,913	8696
6220206	KAOLACK	DAROU SALAM	25334	0,793	0,042	0,710	0,875	20081

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
6220301	KAOLACK	KEUR MABA DIAKHOU	27244	0,797	0,045	0,709	0,886	21726
6220302	KAOLACK	NDRAME ESCALE	19795	0,783	0,051	0,683	0,882	15493
6220303	KAOLACK	WACK NGOUNA	36049	0,765	0,046	0,674	0,856	27569
6220304	KAOLACK	KEUR MANDONGO	9035	0,783	0,052	0,682	0,884	7073
6310100	KAOLACK	GUINGUINEO	16251	0,336	0,068	0,204	0,469	5464
6310200	KAOLACK	FASS	3904	0,413	0,084	0,248	0,578	1613
6310300	KAOLACK	MBOSS	4333	0,651	0,065	0,523	0,778	2820
6320101	KAOLACK	MBADAKHOUNE	14053	0,703	0,045	0,614	0,792	9874
6320102	KAOLACK	NDIAGO	10236	0,747	0,060	0,630	0,864	7644
6320103	KAOLACK	NGATHIE NAOUDE	13257	0,746	0,048	0,651	0,840	9889
6320104	KAOLACK	KHELCOM BIRANE	12522	0,758	0,048	0,665	0,852	9498
6320201	KAOLACK	GAGNICK	8323	0,741	0,062	0,620	0,863	6169
6320202	KAOLACK	NGUELOU	8361	0,778	0,052	0,676	0,881	6507
6320203	KAOLACK	OUROUR	10572	0,807	0,045	0,718	0,897	8537
6320204	KAOLACK	DARA MBOSS	4493	0,814	0,056	0,704	0,923	3655
6320205	KAOLACK	PANAL OUOLOF	6673	0,776	0,057	0,665	0,887	5181
7110100	THIES	JOAL FADIOUTH	45490	0,417	0,067	0,286	0,548	18983
7110200	THIES	MBOUR	228369	0,395	0,065	0,268	0,521	90093
7110300	THIES	NGUEKOKH	26814	0,465	0,061	0,346	0,584	12474
7110400	THIES	THIADIAYE	14886	0,537	0,066	0,407	0,667	7991
7110500	THIES	NGAPAROU	9435	0,262	0,054	0,156	0,369	2474
7110600	THIES	POPENGUINE	8601	0,437	0,066	0,308	0,566	3758
7110700	THIES	SALY PORTUDAL	26123	0,111	0,029	0,054	0,167	2894
7110800	THIES	SOMONE	5426	0,144	0,041	0,063	0,225	781
7120101	THIES	FISSEL	38311	0,582	0,064	0,458	0,707	22307
7120102	THIES	NDIAGANIAO	46255	0,598	0,065	0,471	0,725	27671
7120201	THIES	NGUENIENE	34373	0,675	0,064	0,549	0,800	23193
7120202	THIES	SANDIARA	28200	0,617	0,062	0,495	0,738	17387
7120203	THIES	SESSENE	24722	0,683	0,071	0,545	0,822	16892
7120301	THIES	MALICOUNDA	60314	0,428	0,050	0,331	0,526	25823
7120302	THIES	DIASS	30175	0,279	0,062	0,158	0,400	8419
7120303	THIES	SINDIA	33342	0,293	0,062	0,171	0,415	9769
7210100	THIES	KHOMBOLE	15355	0,411	0,068	0,277	0,544	6307
7210200	THIES	POUT	23402	0,399	0,064	0,274	0,524	9338
7210300	THIES	KAYAR	23329	0,562	0,064	0,437	0,687	13121
7220101	THIES	NOTTO	41527	0,458	0,056	0,347	0,568	19005
7220102	THIES	TASSETTE	20088	0,672	0,063	0,550	0,795	13509
7220201	THIES	NDIEYENE SIRAKH	29889	0,590	0,060	0,472	0,708	17644
7220202	THIES	NGOUDIANE	24219	0,702	0,060	0,585	0,820	17002

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
7220203	THIES	THIENABA	23726	0,440	0,054	0,334	0,546	10439
7220204	THIES	TOUBA TOUL	44570	0,599	0,063	0,475	0,723	26697
7220301	THIES	DIENDER GUEDJI	32884	0,497	0,067	0,365	0,629	16358
7220302	THIES	FANDENE	27296	0,332	0,052	0,231	0,433	9063
7220303	THIES	KEUR MOUSSEU (KEUR MOUSSA)	39654	0,414	0,069	0,280	0,549	16434
7230111	THIES	THIES NORD	100276	0,305	0,051	0,204	0,406	30612
7230121	THIES	THIES OUEST	80348	0,261	0,056	0,151	0,371	20970
7230122	THIES	THIES EST	80348	0,138	0,038	0,063	0,214	11098
7310100	THIES	MEKHE	22333	0,406	0,063	0,283	0,529	9060
7310200	THIES	TIVAOUANE	67738	0,314	0,060	0,196	0,431	21245
7310300	THIES	MBORO	27437	0,319	0,057	0,207	0,432	8762
7320101	THIES	MEOUANE	35257	0,399	0,085	0,232	0,566	14067
7320102	THIES	TAIBA NDIAYE	22257	0,382	0,058	0,268	0,495	8492
7320103	THIES	DAROU KHOUDOSS	53334	0,341	0,052	0,239	0,443	18188
7320201	THIES	KOUL	26484	0,422	0,081	0,264	0,581	11189
7320202	THIES	MERINA DAKHAR	31903	0,469	0,065	0,341	0,598	14974
7320203	THIES	PEKESSE	19131	0,571	0,071	0,432	0,711	10927
7320301	THIES	MBAYENE	9116	0,460	0,083	0,298	0,622	4192
7320302	THIES	NGANDIOUF	25726	0,511	0,074	0,366	0,656	13144
7320303	THIES	NIAKHENE	8581	0,566	0,072	0,424	0,708	4856
7320304	THIES	THILMAKHA	11677	0,643	0,073	0,500	0,785	7503
7320401	THIES	CHERIF LO	17744	0,588	0,070	0,451	0,726	10440
7320402	THIES	MONT ROLLAND	14069	0,369	0,071	0,231	0,507	5193
7320403	THIES	NOTTO GOUYE DIAMA	21667	0,381	0,062	0,260	0,503	8258
7320404	THIES	PIRE GOUREYE	23104	0,497	0,059	0,382	0,612	11487
7320405	THIES	PAMBAL	8335	0,501	0,081	0,343	0,659	4174
8110100	LOUGA	KEBEMER	19326	0,192	0,048	0,098	0,287	3719
8110200	LOUGA	GUEOUL	7709	0,196	0,053	0,091	0,300	1508
8120101	LOUGA	DAROU MARNANE	10987	0,271	0,056	0,161	0,381	2979
8120102	LOUGA	DAROU MOUSTY	37168	0,215	0,055	0,107	0,324	8000
8120103	LOUGA	MBADIANE	8466	0,307	0,056	0,198	0,417	2601
8120104	LOUGA	NDOYENE	5738	0,314	0,064	0,188	0,440	1801
8120105	LOUGA	SAM YABAL	5483	0,242	0,061	0,122	0,362	1325
8120106	LOUGA	TOUBA MERINA	6961	0,333	0,064	0,208	0,458	2318
8120107	LOUGA	MBACKE KADIOR	5375	0,312	0,060	0,194	0,430	1678
8120201	LOUGA	BADEGNE OUOLOF	15718	0,327	0,056	0,218	0,436	5142
8120202	LOUGA	DIOKOUL DIAWRIGNE	15614	0,345	0,062	0,223	0,467	5384
8120203	LOUGA	KAB GAYE	11220	0,336	0,067	0,204	0,467	3769

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
8120204	LOUGA	NDANDE	23907	0,265	0,049	0,169	0,362	6347
8120205	LOUGA	THIEPPE	14955	0,271	0,048	0,176	0,365	4050
8120301	LOUGA	KANENE NDIJOB	9089	0,309	0,055	0,202	0,416	2808
8120302	LOUGA	LORO	8138	0,280	0,051	0,181	0,380	2281
8120303	LOUGA	SAGATTA GUETH	14592	0,251	0,054	0,144	0,357	3659
8120304	LOUGA	THIOLOM FALL	23825	0,267	0,053	0,163	0,371	6363
8120305	LOUGA	NGOURANE OUOLOF	9591	0,253	0,042	0,170	0,335	2423
8210100	LOUGA	LINGUERE	14944	0,266	0,059	0,151	0,380	3970
8210200	LOUGA	DAHRA	31928	0,293	0,070	0,157	0,430	9362
8210300	LOUGA	MBEULEUKHE	1509	0,232	0,071	0,094	0,370	350
8220101	LOUGA	BARKEDJI	17909	0,278	0,048	0,184	0,371	4973
8220102	LOUGA	GASSANE	15478	0,342	0,051	0,241	0,443	5291
8220103	LOUGA	THIARGNY	9256	0,236	0,047	0,144	0,328	2186
8220104	LOUGA	THIEL	13875	0,330	0,058	0,216	0,445	4581
8220201	LOUGA	DODJI	13447	0,238	0,047	0,146	0,330	3201
8220202	LOUGA	LABGAR	6861	0,265	0,059	0,150	0,380	1816
8220203	LOUGA	OUARKHOKH	16461	0,289	0,056	0,180	0,398	4753
8220301	LOUGA	KAMB	10909	0,214	0,048	0,119	0,309	2338
8220302	LOUGA	MBOULA	7857	0,258	0,058	0,143	0,372	2026
8220303	LOUGA	TESSEKRE FORAGE	8983	0,253	0,044	0,167	0,340	2274
8220304	LOUGA	YANG YANG	4888	0,292	0,059	0,177	0,408	1428
8220401	LOUGA	BOULAL	12350	0,229	0,049	0,134	0,324	2829
8220402	LOUGA	DEALI	16593	0,305	0,057	0,194	0,416	5059
8220403	LOUGA	SAGATTA DJOLOF	10439	0,322	0,059	0,206	0,439	3364
8220404	LOUGA	THIAMENE DJOLOF (THIAMENE PASS)	18359	0,298	0,063	0,175	0,421	5472
8220405	LOUGA	AFFE DJOLOF	5559	0,310	0,050	0,213	0,407	1721
8310100	LOUGA	LOUGA	101501	0,199	0,048	0,105	0,294	20245
8310200	LOUGA	NDIAGNE	6973	0,250	0,055	0,142	0,358	1742
8320101	LOUGA	COKI	22302	0,289	0,060	0,170	0,407	6441
8320102	LOUGA	PETE OUARACK	4834	0,276	0,054	0,171	0,380	1332
8320103	LOUGA	THIAMENE CAYOR	16863	0,294	0,059	0,177	0,410	4950
8320104	LOUGA	GUET ARDO	8416	0,306	0,056	0,196	0,417	2579
8320201	LOUGA	GANDE	16350	0,265	0,058	0,150	0,379	4328
8320202	LOUGA	KEUR MOMAR SARR	27295	0,283	0,052	0,181	0,384	7717
8320203	LOUGA	NGUER MALAL	24105	0,299	0,061	0,180	0,418	7205
8320204	LOUGA	SYER	7086	0,251	0,047	0,159	0,342	1776
8320301	LOUGA	KELLE GUEYE	10064	0,293	0,061	0,174	0,412	2951
8320302	LOUGA	MBEDIENE	12051	0,373	0,070	0,235	0,511	4490

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
8320303	LOUGA	NGUIDILE	19374	0,255	0,066	0,126	0,384	4935
8320304	LOUGA	NIOMRE	15504	0,249	0,047	0,158	0,341	3863
8320401	LOUGA	LEONA	32632	0,297	0,062	0,176	0,418	9698
8320402	LOUGA	NGUEUNE SARR	13868	0,286	0,056	0,175	0,396	3963
8320403	LOUGA	SAKAL	24671	0,334	0,053	0,230	0,437	8231
9110100	FATICK	FATICK	26426	0,517	0,059	0,400	0,633	13653
9110200	FATICK	DIOFFIOR	11213	0,724	0,052	0,622	0,825	8114
9110300	FATICK	DIAKHAO	4398	0,227	0,061	0,107	0,346	997
9120101	FATICK	DIAOULE	12497	0,695	0,051	0,595	0,794	8683
9120102	FATICK	MBELACADIAO	16106	0,751	0,046	0,660	0,842	12095
9120103	FATICK	NDIOB	18931	0,652	0,056	0,543	0,762	12352
9120104	FATICK	THIARE NDIALGUI	21098	0,693	0,059	0,578	0,809	14626
9120201	FATICK	FIMELA	25132	0,273	0,055	0,166	0,380	6861
9120202	FATICK	LOUL SESSENE	20295	0,593	0,059	0,478	0,709	12043
9120203	FATICK	PALMARIN FACAO	9311	0,117	0,039	0,039	0,194	1088
9120204	FATICK	DJILASSE	9690	0,667	0,054	0,562	0,772	6461
9120301	FATICK	NGAYOKHEME	23927	0,795	0,047	0,703	0,888	19028
9120302	FATICK	NIAKHAR	28431	0,568	0,056	0,458	0,678	16150
9120303	FATICK	PATAR	24883	0,747	0,053	0,643	0,852	18589
9120401	FATICK	DIARRERE	30209	0,719	0,052	0,616	0,821	21707
9120402	FATICK	DIOUROUP	23103	0,557	0,052	0,454	0,659	12862
9120403	FATICK	TATTAGUINE	30374	0,661	0,051	0,560	0,761	20067
9210100	FATICK	FOUNDIOUGNE	6583	0,511	0,064	0,386	0,636	3363
9210200	FATICK	SOKONE	14537	0,621	0,054	0,514	0,728	9028
9210300	FATICK	PASSY	12297	0,588	0,052	0,487	0,689	7235
9210400	FATICK	KARANG POSTE	13813	0,465	0,062	0,344	0,587	6428
9210500	FATICK	SOUM	5043	0,929	0,026	0,878	0,981	4687
9220101	FATICK	DJILOR	19540	0,808	0,035	0,740	0,875	15784
9220102	FATICK	DIOSSONG	22842	0,869	0,033	0,803	0,934	19843
9220103	FATICK	DIAGANE BARKA	9424	0,908	0,028	0,853	0,964	8561
9220104	FATICK	MBAM	9961	0,651	0,058	0,537	0,764	6481
9220105	FATICK	NIASSENE	15889	0,924	0,024	0,877	0,971	14688
9220201	FATICK	BASSOUL	8890	0,646	0,056	0,536	0,755	5741
9220202	FATICK	DIONEWAR	10863	0,481	0,077	0,330	0,632	5225
9220203	FATICK	DJIRNDA	8569	0,675	0,061	0,555	0,795	5784
9220301	FATICK	KEUR SALOUM DIANE	26181	0,875	0,036	0,804	0,946	22915
9220302	FATICK	KEUR SAMBA GUEYE	22742	0,778	0,050	0,681	0,876	17703
9220303	FATICK	NIORO ALASSANE TALL	31802	0,889	0,032	0,827	0,952	28278

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
9220304	FATICK	TOUBACOUTA	34507	0,675	0,039	0,598	0,751	23284
9310100	FATICK	GOSSAS	12468	0,513	0,081	0,355	0,671	6393
9320101	FATICK	COLOBANE	18123	0,778	0,043	0,694	0,863	14108
9320102	FATICK	MBAR	27242	0,775	0,043	0,690	0,859	21100
9320201	FATICK	NDIENE LAGANE	11728	0,784	0,040	0,706	0,862	9195
9320202	FATICK	OUADIOUR	10664	0,742	0,051	0,642	0,842	7912
9320203	FATICK	PATAR LIA	14445	0,783	0,042	0,701	0,866	11318
10110100	KOLDA	KOLDA	80231	0,561	0,082	0,400	0,722	45009
10110200	KOLDA	DABO	5993	0,795	0,056	0,686	0,904	4763
10110300	KOLDA	SALIKEGNE	3670	0,884	0,032	0,821	0,948	3245
10110400	KOLDA	SARE YOBA DIEGA	2679	0,601	0,088	0,428	0,775	1611
10120101	KOLDA	DIOULACOLON	20747	0,867	0,042	0,785	0,950	17993
10120102	KOLDA	MEDINA EL HADJI	11595	0,891	0,037	0,819	0,963	10334
10120103	KOLDA	TANKANTO ESCALE	15204	0,882	0,036	0,811	0,953	13409
10120104	KOLDA	GUIRO YERO BOCAR	15347	0,893	0,041	0,814	0,973	13708
10120201	KOLDA	BAGADADJI	15309	0,847	0,046	0,756	0,937	12960
10120202	KOLDA	COUMBACARA	10126	0,846	0,049	0,750	0,943	8572
10120203	KOLDA	MAMPATIM	15399	0,811	0,062	0,690	0,932	12488
10120204	KOLDA	DIALAMBERE	13302	0,886	0,036	0,815	0,957	11784
10120205	KOLDA	MEDINA CHERIF	12923	0,858	0,043	0,773	0,943	11086
10120301	KOLDA	SARE BIDJI	16565	0,838	0,053	0,735	0,941	13885
10120302	KOLDA	THIETTY	4372	0,786	0,062	0,665	0,907	3437
10210100	KOLDA	VELINGARA	31807	0,531	0,068	0,397	0,664	16875
10210200	KOLDA	DIAOBE KABENDOU	26052	0,639	0,073	0,495	0,783	16650
10210300	KOLDA	KOUNKANE	10749	0,653	0,070	0,515	0,790	7015
10220101	KOLDA	BONCONTO	10229	0,830	0,057	0,718	0,942	8488
10220102	KOLDA	LINKERING	17058	0,808	0,055	0,701	0,916	13787
10220103	KOLDA	MEDINA GOUNASS	47298	0,769	0,061	0,650	0,889	36382
10220104	KOLDA	SINTHIANG KOUNDARA	26015	0,826	0,057	0,714	0,937	21476
10220201	KOLDA	OUASSADOU	16525	0,877	0,040	0,799	0,955	14488
10220202	KOLDA	PAROUMBA	14722	0,767	0,066	0,637	0,897	11294
10220203	KOLDA	PAKOUR	12475	0,848	0,050	0,751	0,946	10581
10220301	KOLDA	KANDIA	19351	0,841	0,044	0,755	0,927	16274
10220302	KOLDA	SARE COLY SALLE	18990	0,839	0,052	0,737	0,941	15932
10220303	KOLDA	NEMATABA	10241	0,856	0,040	0,778	0,934	8765
10220304	KOLDA	KANDIAYE	12663	0,863	0,046	0,772	0,954	10929
10310100	KOLDA	MEDINA YORO FOULAH	2988	0,623	0,083	0,461	0,786	1862

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
10310200	KOLDA	PATA	2948	0,766	0,060	0,649	0,883	2259
10320101	KOLDA	FAFACOUROU	6779	0,867	0,043	0,783	0,951	5876
10320102	KOLDA	BADION	11827	0,885	0,036	0,815	0,956	10471
10320201	KOLDA	NDORNA	11991	0,788	0,054	0,683	0,893	9445
10320202	KOLDA	BIGNARABE	6608	0,876	0,039	0,799	0,952	5786
10320203	KOLDA	BOUROUCO BIRANE CISSE	24861	0,845	0,052	0,743	0,946	21003
10320204	KOLDA	KOULINTO	6703	0,875	0,049	0,779	0,970	5862
10320301	KOLDA	DINGUIRAYE	14550	0,815	0,050	0,717	0,913	11863
10320302	KOLDA	KEREWANE	31112	0,852	0,039	0,776	0,927	26502
10320303	KOLDA	NIAMING	13351	0,818	0,052	0,716	0,920	10919
11110100	MATAM	MATAM	15827	0,580	0,058	0,466	0,694	9177
11110200	MATAM	OUROSSOGUI	14738	0,434	0,061	0,315	0,552	6392
11110300	MATAM	THILOGNE	9913	0,472	0,065	0,345	0,599	4679
11110400	MATAM	NGUIDJIOLOGNE	9826	0,375	0,071	0,237	0,514	3688
11120101	MATAM	AGNAM CIVOL	25482	0,361	0,072	0,221	0,502	9209
11120102	MATAM	OREFONDE	18416	0,348	0,056	0,238	0,458	6414
11120103	MATAM	DABIA OBEDJI	22562	0,335	0,043	0,251	0,419	7565
11120201	MATAM	BOKIDIAWE	50149	0,398	0,046	0,308	0,489	19973
11120202	MATAM	NABADJI CIVOL	50817	0,383	0,053	0,280	0,486	19461
11120203	MATAM	OGO	44431	0,418	0,054	0,312	0,524	18579
11210100	MATAM	KANEL	11987	0,631	0,038	0,557	0,706	7569
11210200	MATAM	SEMME	6218	0,706	0,049	0,611	0,802	4392
11210300	MATAM	WAOUNDE	7121	0,551	0,042	0,469	0,633	3924
11210400	MATAM	DEMBANCANE	4543	0,742	0,039	0,666	0,818	3371
11210500	MATAM	HAMADY OUNARE	9578	0,733	0,045	0,645	0,821	7023
11210600	MATAM	SINTHIOU BAMAMBE BANADJI	12960	0,650	0,059	0,534	0,766	8427
11210700	MATAM	ODOBERE	5652	0,476	0,070	0,340	0,613	2693
11220101	MATAM	BOKILADJI	28434	0,516	0,040	0,438	0,594	14672
11220102	MATAM	ORKADIERE	38293	0,562	0,053	0,458	0,666	21535
11220103	MATAM	AOURE	34292	0,431	0,049	0,335	0,527	14771
11220201	MATAM	NDENDORY	31434	0,482	0,050	0,384	0,581	15153
11220202	MATAM	OURO SIDY	36200	0,407	0,042	0,324	0,490	14730
11310100	MATAM	RANEROU	2956	0,556	0,077	0,404	0,708	1643
11320101	MATAM	LOUGUERE THIOLY	3281	0,377	0,083	0,214	0,540	1237
11320102	MATAM	VELINGARA	17833	0,513	0,090	0,338	0,689	9154
11320103	MATAM	HOUDALAYE	26659	0,383	0,080	0,225	0,540	10197
12110100	KAFFRINE	KAFFRINE	38467	0,660	0,060	0,542	0,778	25390
12110200	KAFFRINE	NGANDA	9959	0,628	0,082	0,467	0,790	6259

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
12120101	KAFFRINE	BOULEL GOUMACK	23189	0,590	0,074	0,445	0,735	13672
12120102	KAFFRINE	GNIBY	15115	0,601	0,063	0,478	0,724	9079
12120103	KAFFRINE	KAHI	20999	0,622	0,053	0,519	0,725	13057
12120201	KAFFRINE	DIOKOUL MBELBOUCK	23967	0,681	0,062	0,558	0,803	16314
12120202	KAFFRINE	KATHIOTE	32884	0,641	0,073	0,499	0,783	21077
12120203	KAFFRINE	MEDINATOUL SALAM II	18900	0,689	0,067	0,557	0,820	13014
12120204	KAFFRINE	DIAMAGADIO	18123	0,662	0,086	0,493	0,831	11990
12210100	KAFFRINE	BIRKELANE	6905	0,643	0,069	0,509	0,777	4440
12220101	KAFFRINE	KEUR MBOUCKI	10062	0,594	0,087	0,423	0,764	5973
12220102	KAFFRINE	TOUBA MBELLA	9825	0,577	0,066	0,447	0,706	5665
12220103	KAFFRINE	DIAMAL	10039	0,591	0,073	0,447	0,735	5932
12220201	KAFFRINE	MABO	24183	0,639	0,062	0,518	0,760	15452
12220202	KAFFRINE	NDIOGNICK	29060	0,613	0,077	0,462	0,765	17828
12220203	KAFFRINE	MBEULEUP	4118	0,556	0,074	0,411	0,700	2288
12220204	KAFFRINE	SEGRE GATTA	4654	0,638	0,064	0,512	0,765	2971
12310100	KAFFRINE	KOUNGHEUL	20317	0,665	0,058	0,552	0,778	13515
12320101	KAFFRINE	SALY ESCALE	22068	0,628	0,070	0,492	0,765	13866
12320102	KAFFRINE	FASS THIEKENE	14952	0,658	0,060	0,540	0,776	9840
12320103	KAFFRINE	IDA MOURIDE	18087	0,638	0,075	0,491	0,785	11537
12320201	KAFFRINE	LOUR ESCALE	22106	0,623	0,069	0,488	0,758	13774
12320202	KAFFRINE	RIBOT ESCALE	13529	0,554	0,062	0,432	0,675	7492
12320301	KAFFRINE	GAINTHE PATHE	15249	0,568	0,071	0,428	0,707	8657
12320302	KAFFRINE	MAKA YOP	13409	0,681	0,062	0,559	0,803	9128
12320303	KAFFRINE	MISSIRAH WADENE	17810	0,639	0,064	0,514	0,764	11376
12410100	KAFFRINE	MALEM HODDAR	7550	0,796	0,048	0,703	0,889	6009
12420101	KAFFRINE	DAROU MINAM II	14219	0,634	0,079	0,479	0,789	9014
12420102	KAFFRINE	NDIOUM NGAINTH	7929	0,565	0,074	0,419	0,710	4476
12420103	KAFFRINE	KHELCOM	93	0,774	0,153	0,475	1,074	72
12420104	KAFFRINE	NDIOBENE SAMBA LAMA	5340	0,537	0,073	0,394	0,680	2867
12420201	KAFFRINE	DIANKE SOUF	18773	0,614	0,072	0,472	0,756	11535
12420202	KAFFRINE	SAGNA	36606	0,717	0,059	0,601	0,834	26255
13110100	KEDOUGOU	KEDOUGOU	29505	0,544	0,056	0,433	0,654	16047
13120101	KEDOUGOU	BANDAFASSI	10512	0,627	0,067	0,496	0,757	6587
13120102	KEDOUGOU	TOMBORONKOTO	13252	0,646	0,066	0,518	0,775	8564
13120103	KEDOUGOU	DINDEFELLO	5257	0,623	0,073	0,479	0,767	3274
13120104	KEDOUGOU	NINEFECHA	7746	0,687	0,066	0,557	0,816	5319
13120201	KEDOUGOU	DIMBOLI	5969	0,638	0,072	0,497	0,778	3806
13120202	KEDOUGOU	FONGOLEMBI	4763	0,629	0,074	0,485	0,773	2996

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADCOUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
13210100	KEDOUGOU	SALEMATA	4494	0,539	0,099	0,345	0,733	2422
13220101	KEDOUGOU	DAKATELY	3675	0,682	0,089	0,508	0,856	2507
13220102	KEDOUGOU	KEVOYE	4334	0,676	0,083	0,514	0,838	2929
13220201	KEDOUGOU	DAR SALAM	3882	0,636	0,076	0,488	0,784	2468
13220202	KEDOUGOU	ETHIOLO	3331	0,757	0,075	0,611	0,903	2521
13220203	KEDOUGOU	OUBADJI	2127	0,663	0,080	0,507	0,819	1410
13310100	KEDOUGOU	SARAYA	2627	0,657	0,064	0,532	0,782	1727
13320101	KEDOUGOU	MEDINA BAFFE	6111	0,827	0,053	0,722	0,932	5054
13320102	KEDOUGOU	BEMBOU	11653	0,794	0,063	0,670	0,918	9254
13320201	KEDOUGOU	KHOSSANTO	2412	0,758	0,067	0,627	0,888	1827
13320202	KEDOUGOU	MISSIRAH SIRIMANA	10800	0,764	0,063	0,640	0,888	8252
13320203	KEDOUGOU	SABODALA	9848	0,777	0,060	0,660	0,894	7653
14110100	SEDHIOU	SEDHIOU	23510	0,683	0,044	0,597	0,770	16067
14110200	SEDHIOU	MARSASSOUM	6912	0,691	0,043	0,607	0,775	4775
14110300	SEDHIOU	DIANAH MALARY	2975	0,678	0,049	0,583	0,773	2017
14120101	SEDHIOU	DIENDE	12181	0,912	0,025	0,863	0,962	11112
14120102	SEDHIOU	SAKAR	8840	0,936	0,017	0,903	0,968	8271
14120103	SEDHIOU	DIANNAH BA	7185	0,910	0,020	0,870	0,950	6539
14120104	SEDHIOU	KOUSSY	8382	0,840	0,033	0,776	0,904	7044
14120105	SEDHIOU	OUDOUCAR	10104	0,951	0,015	0,922	0,979	9605
14120106	SEDHIOU	SAME KANTA PEULH	3850	0,864	0,038	0,791	0,938	3327
14120201	SEDHIOU	BEMET BIDJINI	10477	0,855	0,041	0,775	0,934	8956
14120202	SEDHIOU	SANSAMBA	13592	0,923	0,020	0,883	0,963	12544
14120203	SEDHIOU	DJIBABOUYA	5519	0,938	0,021	0,896	0,980	5177
14120301	SEDHIOU	BAMBALI	16923	0,948	0,016	0,917	0,979	16038
14120302	SEDHIOU	DJIREDDJI	16998	0,867	0,035	0,799	0,934	14729
14210100	SEDHIOU	BOUNKILING	5928	0,707	0,040	0,628	0,786	4190
14210200	SEDHIOU	MEDINA WANDIFA	11619	0,708	0,045	0,620	0,797	8232
14210300	SEDHIOU	NDIAMACOUTA	7114	0,651	0,051	0,551	0,752	4634
14220101	SEDHIOU	BOGHAL	12100	0,485	0,058	0,371	0,598	5866
14220102	SEDHIOU	TANKON	20258	0,395	0,075	0,247	0,543	8007
14220103	SEDHIOU	DJINANI	3660	0,550	0,051	0,451	0,650	2014
14220104	SEDHIOU	NDIAMALATHIEL	14617	0,594	0,051	0,494	0,695	8685
14220201	SEDHIOU	BONA	8740	0,726	0,044	0,640	0,811	6342
14220202	SEDHIOU	DIACOUNDA	7292	0,767	0,039	0,690	0,844	5591
14220203	SEDHIOU	INOR	8424	0,579	0,042	0,498	0,661	4881
14220204	SEDHIOU	KANDION MANGANA	1634	0,638	0,062	0,516	0,760	1043
14220301	SEDHIOU	DIAROUME	16373	0,591	0,043	0,508	0,675	9678

LOCATION CODE	REGION	LOCATION NAME	POPULATION	HEADC-OUNT RATE	STD. ERR.	[95% CONF. INTERVAL]		NUMBER OF POOR
14220302	SEDHIOU	DIAMBATY	9870	0,407	0,069	0,271	0,542	4014
14220303	SEDHIOU	FAOUNE	12800	0,500	0,062	0,379	0,621	6400
14310100	SEDHIOU	GOUDOMP	12801	0,724	0,041	0,644	0,803	9264
14310200	SEDHIOU	DIATTACOUNDA	4206	0,752	0,046	0,662	0,841	3162
14310300	SEDHIOU	SAMINE ESCALE	4773	0,754	0,041	0,674	0,834	3598
14310400	SEDHIOU	TANAFF	4731	0,749	0,045	0,661	0,838	3546
14320101	SEDHIOU	DJIBANAR	10547	0,691	0,053	0,588	0,795	7292
14320102	SEDHIOU	KAOUR	4667	0,712	0,046	0,621	0,803	3323
14320103	SEDHIOU	MANGAROUNGOU SANTO	12169	0,679	0,052	0,576	0,781	8258
14320104	SEDHIOU	SIMBANDI BALANTE	21297	0,689	0,044	0,603	0,776	14684
14320105	SEDHIOU	YARANG BALANTE	12175	0,643	0,043	0,558	0,728	7829
14320201	SEDHIOU	KARANTABA	13425	0,760	0,050	0,661	0,859	10207
14320202	SEDHIOU	KOLIBANTANG	9463	0,578	0,042	0,495	0,661	5468
14320301	SEDHIOU	NIAGHA	12288	0,545	0,060	0,427	0,662	6695
14320302	SEDHIOU	SIMBANDI BRASSOU	14753	0,741	0,038	0,667	0,814	10926
14320303	SEDHIOU	BAGHERE	10743	0,660	0,045	0,572	0,749	7096
14320304	SEDHIOU	DIOUBODOU	5395	0,784	0,040	0,706	0,862	4230

Source: Authors' estimation based on ESPS-2 and RGPFAE 2013.

Annex 4: Differences in sampling described in the ESPS report and in the actual ESPS-2 dataset

Region	Département	Number of EAs by département obtained from the ESPS report			Number of EAs by département obtained from the actual ESPS dataset		
		urban	rural	total	urban	rural	total
Dakar	1	25	0	25	25	0	25
Dakar	2	25	0	25	25	0	25
Dakar	3	15	10	25	15	10	25
Dakar	4	25	0	25	25	0	25
Ziguinchor	1	15	10	25	15	14	29
Ziguinchor	2	5	10	15	5	6	11
Ziguinchor	3	15	10	25	13	12	25
Diourbel	1	15	10	25	15	10	25
Diourbel	2	15	10	25	15	10	25
Diourbel	3	15	10	25	15	12	27
Saint-Louis	1	15	10	25	13	12	25
Saint-Louis	2	15	10	25	8	15	23
Saint-Louis	3	15	10	25	15	10	25
Tambacounda	1	15	10	25	11	14	25
Tambacounda	2	15	10	25	15	7	22
Tambacounda	3	8	10	18	0	18	18
Tambacounda	4	8	10	18	0	19	19
Kaolack	1	15	10	25	15	10	25
Kaolack	2	15	10	25	15	10	25
Kaolack	3	15	10	25	15	10	25
Thiès	1	15	10	25	15	10	25
Thiès	2	15	10	25	15	10	25
Thiès	3	15	10	25	15	10	25
Louga	1	15	10	25	10	13	23
Louga	2	15	10	25	15	9	24
Louga	3	15	10	25	15	11	26
Fatick	1	15	10	25	15	10	25
Fatick	2	15	10	25	11	14	25
Fatick	3	12	10	22	10	10	20
Kolda	1	15	10	25	13	12	25
Kolda	2	15	10	25	10	15	25
Kolda	3	2	10	12	0	12	12
Matam	1	15	10	25	15	10	25
Matam	2	15	10	25	15	10	25
Matam	3	1	10	11	1	10	11
Kaffrine	1	15	10	25	15	10	25

Kaffrine	2	4	10	14	4	10	14
Kaffrine	3	11	10	21	11	10	21
Kaffrine	4	3	10	13	3	10	13
Kédougou	1	15	10	25	15	10	25
Kédougou	2	1	10	11	1	8	9
Kédougou	3	3	10	13	3	12	15
Sédhiou	1	15	10	25	14	11	25
Sédhiou	2	9	10	19	0	19	19
Sédhiou	3	15	10	25	7	18	25

Source: Authors' estimation based on ESPS-2 and RGPHAE 2013.

## Annex 5: Consistency between the poverty map and poverty analysis using call record data

In 2015, a team of researchers from the State University of New York at Buffalo tested whether cellular-communications data are correlated to poverty and whether they can be used to create poverty maps. The researchers found that the relationship between user behavioral statistics gathered from cellular-communications correlate with poverty indicators and they constructed a poverty map solely based on user behavior (Pokhriyal et al., 2015).

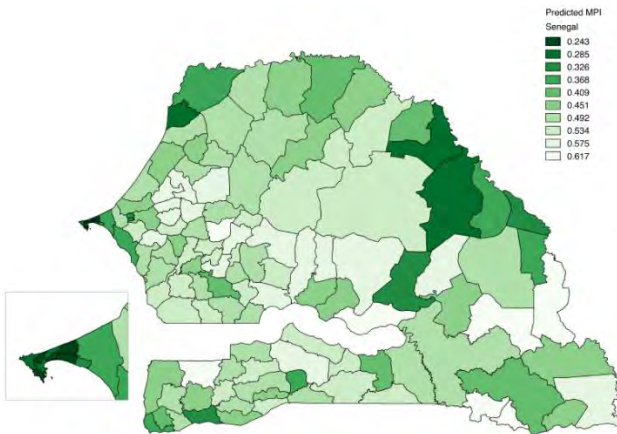
It is important to caution the comparison of these pieces of research as the analysis using call-record data is not directly comparable to our poverty map due to the following reasons: i) the use of the Multidimensional Poverty Index (MPI) rather than poverty headcount rates based on household consumption; and ii) the use of only 123 arrondissements rather than 238 arrondissements shown in our data. Despite these differences, we cautiously attempt to compare results visually, namely whether the trends shown with our results are consistent with what researchers found based on call-record data.

The poverty maps using two different methodologies of call record data<sup>12</sup> are not completely consistent with one another as is displayed in Figure 7. Certain arrondissements change the predicted MPI quite dramatically and regions that are indicated as not poor using virtual networks (left panel of Figure 7) are much poorer using behavioral indicators (right panel of Figure 7). Keeping in mind the issues of comparability raised above, attempting to compare the poverty map using virtual networks (left panel of Figure 8) with the results of the poverty maps created using the small area estimation methodology (right panel of Figure 8) shows that poverty trends tend to be similar for certain arrondissements in Matam, Louga, Kaolack, and Kédougou but divert in other arrondissements in the Casamance (Zuiginchor, Sédhiou, and Kolda) and Tambacounda. For example, poverty rates in the greater Dakar area are lower than in the city of Dakar according to the poverty map using virtual networks whereas the western and southern arrondissements of Tambacounda are much poorer according to our results.

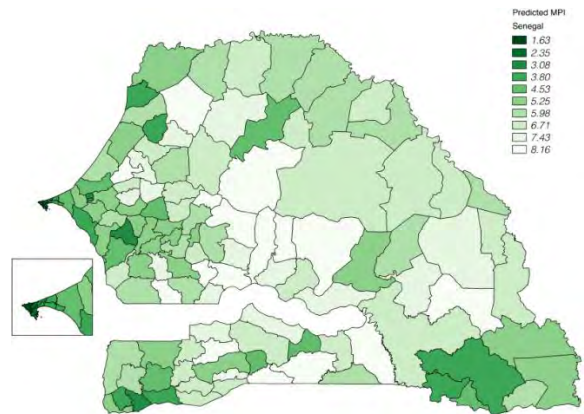
<sup>12</sup> For details of the methodology and results, please see Pokhriyal, N., Dong, W., and Govindaraju, V. (2015). Virtual Networks and Poverty Analysis in Senegal. D4D, NetMob, April 2015.

Figure 7. Predicted arrondissement level poverty map using the virtual network methodology

Poverty map using the virtual networks



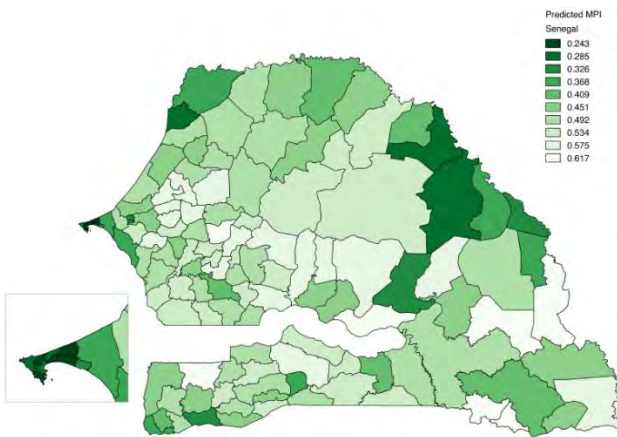
Poverty map of MPI using behavioral indicators of call record data



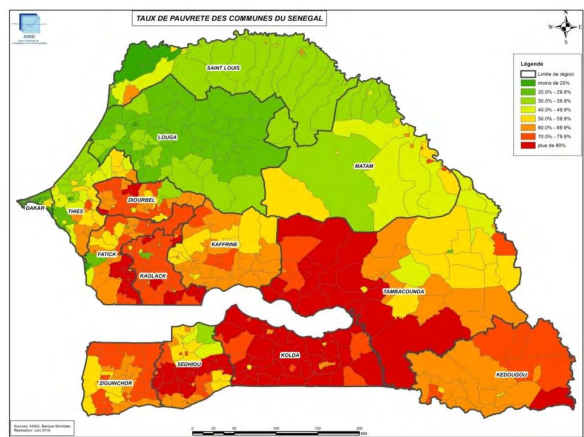
Source: Pokhriyal et al., 2015.

Figure 8. Senegal Poverty Map, poverty rates at the arrondissement level

Poverty map using the virtual networks



Poverty map using small area estimation



Source: Pokhriyal et al., 2015 and authors' estimation based on ESPS-2 and RGPHE 2013.