



# HOUSING DEMAND IN PORT-AU-PRINCE, HAITI

**DECEMBER 1, 2011**

This document was produced for review by the United States Agency for International Development.  
It was prepared by Chemonics International Inc. for the Financial Sector Knowledge Sharing Project,  
delivery order number EEM-E-03-05-00006-00.

# HOUSING DEMAND IN PORT-AU-PRINCE, HAITI

**DECEMBER 1, 2011**

This document was produced for review by the United States Agency for International Development. It was prepared by NORC at the University of Chicago for the Financial Sector Knowledge Sharing Project, managed by Chemonics International Inc, delivery order EEM-03-05-0006-00. The primary data for this report was collected by Bureau de Recherche en Informatique et en Développement Economique et Social (BRIDES).

# CONTENTS

Acknowledgements .....	i
Acronyms and Terms .....	ii
List of Tables .....	iii
Executive Summary .....	v
Section I. Introduction .....	1
Section II. Sample and Survey Design .....	3
Section III. Questionnaire Content and Survey Administration .....	5
Section IV. Tabulations on Income and Housing .....	7
A. Income Distributions, Housing Purchasing Power .....	7
B. Possible Remittances for Improving Housing .....	9
C. Financing Plans for Those Planning a Dwelling Purchase .....	10
Section V. Rental Costs and Affordability Of Alternative Housing Packages .....	13
A. Cost of Rental Alternatives .....	13
B. Incomes and Rents .....	16
Section VI. Summary .....	18
Annexes	
Annex A. Questionnaire In French And English .....	1
Annex B. Additional Tables .....	1
Annex C. References .....	1



## **ACKNOWLEDGEMENTS**

This report was prepared under contract with Financial Sector Knowledge Sharing (FS Share) project, managed by Chemonics International Inc. The Haitian firm BRIDES carried out the sample design and conducted the household survey on which the analysis is based. Frantz Fortunat and his colleagues were a pleasure to work with and we appreciate their strong work.

The report's authors, Raymond Struyk, Yvonne Cao, and Aaron Wilson, have benefitted substantially from our interactions with FS Share program staff and consultants engaged by FS Share for this study. Several people, including Britt Gewinner, provided very useful comments on the draft questionnaire. Friedemann Roy also provided useful inputs. At NORC, we particularly want to thank Michael Latterner and Kennon Copeland for their timely and very helpful work on the sampling plan.

## ACRONYMS AND TERMS

HTG	Haitian gourdes
FS Share	Financial Sector Knowledge Sharing

*Core household.* The members of the pre-earthquake household in the household interviewed

*Full household.* Consists of the core household, which was interviewed, plus pre-earthquake household members likely to return to the household if suitable housing is found

*Prior dwelling.* Information obtained for the dwelling previously occupied for those households who moved in the 18 months prior to this survey (i.e., since the earthquake)

*Future dwelling.* Information on the future dwelling of households who stated that they planned to move in the next year or to renovate their current unit. (Separate tabulations are presented for both groups.)

All dollar amounts in this report are U.S. dollars. The exchange rate in summer 2011 was approximately 40 Haitian gourdes to U.S. \$1.

## LIST OF TABLES

<b>Table 1.</b> Sample Sizes and Allocations Among Zones .....	4
<b>Table 2a.</b> Metropolitan Port au Prince Household Monthly Income Estimates, Mean Income by Income Decile, Core Households .....	8
<b>Table 2b.</b> Metropolitan Port au Prince Household Monthly Income Estimates, Mean Income by Income Decile, Full Households.....	8
<b>Table 3.</b> Comparison of Metropolitan Port au Prince Household Monthly Income Estimates from Middle Class Housing Study and the Present Survey, Mean Income by Income Decile .....	9
<b>Table 4.</b> Estimates of Remittance Assistance Households Planning to Improve Their Housing Could Receive .....	10
<b>Table 5.</b> Estimates of Monthly Income of Households Planning to Improve Their Housing and the Share of Their Income That Can Be Verified .....	11
<b>Table 6a.</b> Plans for Financing Home Purchase Among Those Planning to Purchase or Improve a Dwelling in the Next Year .....	12
<b>Table 6b.</b> Percent Planning to Borrow Money from Various Sources by Source .....	12
<b>Table 7.</b> Distributions of Market Rents and Associated Communal Services Payments, Mean Monthly Expenditures for Each Rent Decile, in HTG.....	14
<b>Table 8.</b> Characteristics of Representative Rental Units and Their Mean Rents and Communal Services Charges .....	16
<b>Table 9.</b> Unit Types Affordable for Households Devoting 25 Percent or 35 Percent of ‘Full’ Income to Rent and Communal Services Payments .....	17
<b>Table B1.</b> Conditions in Each Zone .....	B-2
<b>Table B2.</b> Percent Distribution of Highest Education Level of Head of Household by Total Income Decile .....	B-3
<b>Table B3.</b> Labor Force Status.....	B-5
<b>Table B4.</b> Percentage of Households Owning Certain Durables .....	B-6
<b>Table B5.</b> Households’ Dwellings by Extent of Earthquake Damage .....	B-6
<b>Table B6a.</b> Basic Dwelling Characteristics: Panel A: All Households.....	B-7
<b>Table B6b.</b> Basic Dwelling Characteristics: Panel B: Female-Headed Households Only .....	B-12

<b>Table B7a.</b> Tenure and Housing Expenditures: Panel A: All Households .....	B-18
<b>Table B7b.</b> Tenure and Housing Expenditures: Panel B: Female-Headed Households Only .	B-20
<b>Table B8.</b> Household Expenditures.....	B-22
<b>Table B9.</b> Expenses .....	B-23
<b>Table B10:</b> Borrowing Experience.....	B-24
<b>Table B11a.</b> Basic Dwelling Characteristics in Temporary Camps.....	B-25
<b>Table B11b.</b> Basic Dwelling Characteristics in Lower-Income and Middle-Income Communes (Non-Camps).....	B-30
<b>Table B12a.</b> Tenure and Housing Expenditures in Temporary Camps .....	B-35
<b>Table B12b.</b> Tenure and Housing Expenditures in Lower-Income and Middle-Income Communes (Non-Camps) .....	B-36
<b>Table B13a.</b> Basic Dwelling Characteristics of Temporary Camps Households that Have Moved in the Last 18 Months .....	B-38
<b>Table B13b.</b> Basic Dwelling Characteristics of Temporary Camps Households that Are Planning to Move in the Next Year.....	B-43
<b>Table B14a.</b> Tenure and Housing Expenditures of Temporary Camps Households that Have Moved in the Last 18 Months .....	B-48
<b>Table B14b.</b> Tenure and Housing Expenditures of Temporary Camps Households that are Planning to Move in the Next Year .....	B-49

## EXECUTIVE SUMMARY

This report presents information on the housing purchasing power of Haitian households living in the Port au Prince metropolitan area in summer 2011. While incomes are the primary source, for some households remittances earmarked for better housing can play a significant role. The report also analyzes the type of housing packages households at different points in the income distribution can afford to rent, inclusive of the cost of communal services of households in their income group. These calculations are based on summer 2011 rents and communal services payments. (Similar calculations are not made for home purchase due to methodological issues regarding home price observations.)

Estimates are based on approximately 3,000 completed in-person interviews conducted from July to August 2011 in three types of “neighborhoods”: temporary camps where earthquake victims who lost their homes are sheltered; two communes rated as generally lower-income; and four communes generally rated as middle-income. The camps are in the same area as the lower- and middle-income households. The sample in each area is representative and large enough to give statistically reliable estimates of key variables, such as income and expenditures, at a high level of confidence.

Respondents interviewed who said that some members of their pre-earthquake household were now living elsewhere, were asked which, if any, of these persons would return to the household if housing conditions permitted. If some persons were named, the respondent was asked about the income of each so a complete picture of the “future” household’s financial resources could be developed. We term the household as constituted at the time of the interview as the “core household” and the future one as the “full household.”

Some tables included in this report give the income distribution of “core” households and “full” households (i.e., core households plus those pre-earthquake household members who would return if suitable housing were found). Other tables provide information for households who plan to improve their housing through a dwelling purchase in the year following the interview and their plans for financing the purchase. Remarkably, very few respondents reported that they expected others to join their household if they moved to better housing.

One table reports the proportion of income that the household states could be verified by a lender or other third party. Respondents living outside of camps report that about one-half of their income could be verified.

Data are also presented on respondents’ views on remittances they could anticipate receiving specifically for improving their housing if they had the opportunity to do so. About 5 percent anticipate help from this source; among these, about one-fifth expect a single up-front payment of about 74,000 Haitian gourdes (HTG) and the balance expect to receive about four payments on average, with a total value of HTG 156,000.

A study conducted by Nathan Associates in 2010 updated household income figures from a comprehensive 2001 survey. Because these figures have been widely used in housing affordability calculations, it is worthwhile to compare the income distributions from that study

and the present survey. The two distributions of monthly household incomes are surprising different, with the data from this survey indicating distinctly higher monthly incomes in all income deciles. For example, the mean monthly full household income for the 7th decile in the Nathan analysis is HTG 4,925, while it is HTG 15,739 in this survey. The estimated incomes in this survey are consistently two to three times larger than the Nathan estimates. One reason for this difference could be that the current sample was drawn from selected areas in Port au Prince while the Nathan sample covered the whole metropolis.

To explore concretely Port au Prince households' housing purchasing power, we priced three defined housing bundles to represent the large middle of the housing quality distribution. These units are neither those constructed of the least durable materials with the worst communal services, nor the largest and best equipped, but rather fall in between. Four dwelling characteristics were used in defining the dwellings to be priced. Two were physical dwelling attributes: the number of rooms and the material used for the roof. The other two addressed the quality of communal services: the source of water used by the household and the type of toilet facility. "Prices" include reported monthly rent and spending on communal services.

We then examined how households' purchasing power compared with the three housing types. We employed two different assumptions about the share of income households can devote to housing: 25 and 35 percent. In addition, we also tested the effect that a substantial — 40 percent — underreporting of household income had on effective demand with households continuing to devote 25 and 35 percent of income to housing. Incomes used are the full household incomes.

The results are sobering. Under the most optimistic assumption of income being underreported and households devoting 35 percent of their incomes to housing, only households in the top half of the income distribution can afford any of the three defined housing types. Whenever households in this higher income group can afford any unit, they can afford the better packages. In summary, the purchasing power of Haitian households is clearly limited for dwellings with even quite modest features. Even under optimistic assumptions about the share of income households can spend on housing and related infrastructure services and significant increases in reported incomes for possible underreporting, households in the lower half of the income distribution cannot afford the most modest unit defined.

Nevertheless, a significant share (29 percent) of Haitian households has concrete plans to improve their housing in the next year. A substantial majority plans to relocate to an owner-occupied unit to do so. Only 16 percent of owner-improvers have a plan for financing their purchase. There may be more opportunities for financing improved housing than the population knows about, which would hold down families taking the initiative to purchase a dwelling. Also, new financing vehicles may emerge from the donor community's work with the Haitian government that will encourage more households to do so. At the same time, those with plans for improvement may underestimate the cost of purchasing a home or improving their current dwelling. In short, a great deal of uncertainty remains.

Annex B contains tables illustrating the demographics, housing characteristics and expenditures, assets, incomes, and other attributes of the households in the three zones and by the three possible housing situations (e.g., before the earthquake, current living arrangements, and plans for the future). The questionnaire appears in Annex A. There is no plan to prepare a data file for public use.

## SECTION I. INTRODUCTION

The Haitian housing stock was gravely damaged by the January 2010 earthquake. More than a million people became homeless; approximately 105,000 houses were completely destroyed and more than 208,000 were damaged. This destruction dramatically worsened already extremely poor living conditions of many Haitians (International Housing Coalition, 2011).

Recovery and reconstruction have been slow. The design of effective policies by the government of Haiti, assisted by the donor community, for helping households to repair damaged units or occupy new ones either as owners or renters has been hindered by the pervasive lack of information on what families can afford to contribute to improving their living conditions. It was particularly difficult to grasp the situation because many pre-earthquake households are believed to have been living in separate parts. Sometimes housing for the whole household together is not available; in other cases, the family's strategy is to have a few members protect its claim on a damaged dwelling or to live in a camp in order to have access to infrastructure services in case a better housing solution materializes for those living there.

The last comprehensive national survey that covered both income and housing was conducted in 2001. A 2010 exercise updating the household income distributions based on these data for Port au Prince and other areas on the island was developed using information on developments in prices and remittances to residents from Haitians living abroad (Nathan Associates, 2010). Though the approach was reasonable, many believe the results are not precise enough for policy planning purposes, given the massive dislocations from the earthquake.

USAID commissioned this study through the FS Share program staff to partially fill the information void and create a solid base for policy development. In particular, this report presents information on household incomes, housing and communal services (i.e., housing-associated infrastructure services) from statistically reliable samples of households living in three area types in the Port-au-Prince metropolitan area: temporary camps, lower-income communes, and middle-income communes. The data from each area type can provide a basis for policy design for a particular group.

Interviewers sought to obtain full information on income, housing, and communal services for each household (i.e., the people now living together), and gathered income information for other family members who are believed likely to move back into the pre-earthquake household if a larger unit is found.<sup>1</sup> Additionally, each household reported on as many as three different housing situations. All reported on their current dwelling; those who had moved in the 18 months

---

<sup>1</sup> The following statement was made by the interviewer to the respondent at the beginning of the interview: "By 'household,' I mean all the persons who live with you *currently* and who take a meal together at least four times a week. It's possible that other people who lived with you before the earthquake do not live with you any longer today. It is also possible that some people who did not live with you before the earthquake do live with you now. I would first like you to focus on *the people who live with you only*, then I will ask you questions about other people who could come back to live with you if your residential situation changed. We will thus talk about 'current household' (those who live with you now) and 'recomposed household' (all of those who will live with you once your residential status changes.)."

preceding the interview reported on their unit before the earthquake. If they had plans to change dwellings in the next year or renovate their current unit, they gave information on the type of unit they realistically thought they could rent or purchase or have as a result of the renovation.

The report proceeds as follows. Section II describes the structure of the household sample and the areas where the survey was conducted. Section III contains comments on the household questionnaire's key features and the survey's administration. Section IV presents key information from the survey on the household income distribution and households' plans for purchasing a dwelling in the next year. Information is presented on remittances some households anticipate receiving if they have the chance to improve their living conditions.

Section V uses data on reported rents, households' expenses for communal services, and a host of dwelling characteristics to estimate the cost of alternative housing packages that families can afford at different points in the income distribution. Rent and the costs of related communal services are included in computing affordability. Section VI provides conclusions.

Annex A contains the questionnaire in French and English. Additional tables from our analysis of the data appear in Annex B.

## SECTION II. SAMPLE AND SURVEY DESIGN

The Haitian firm BRIDES developed the sampling plan and executed the survey.<sup>2</sup> The objective of the sampling plan was to have a representative and statistically reliable sample for each of the three area types mentioned above. The operating hypothesis was that households living in different area types would have income and housing purchasing power distributions, current housing conditions and expenses, and future housing plans that differ from each other. For this reason, it was important to have a strong sample for each area. The cost of a household's water, for example, varies with the availability of different types of service, which varies by area, with piped water usually having much lower per-unit costs than water purchased from kiosks or tankers. In the camps water is often free.

The sample design gives a 95-percent confidence level for measuring the true value of important variables within a +/-3 percent range in each area.<sup>3</sup> The results are reliable for areas included in the three samples and cannot be extrapolated to the whole of the metropolitan area.

The total targeted number of interviews was 3,401; of these, 3,365 were completed. Table 1 (next page) shows the allocation of the sample across the three areas or zones. The samples available are clearly large, and NORC statisticians rate them as statistically reliable. BRIDES selected the camps and made the classification of communes into the lower- and middle-income groups based on their deep knowledge of the metropolitan area. BRIDES emphasizes that both of these areas have families with incomes throughout the income distribution.

To draw the household sample, previously defined enumeration areas (primary sampling units) were randomly selected in the lower- and middle-income communes. Because of the destruction from the earthquake, the first step in conducting the survey in each commune was to carry out a listing exercise in which every habitable place's location and the number of households living there was recorded. Households to be interviewed were then randomly selected from the list. In the camps, the random selection was made from lists of registered occupant households or lists of units.

These procedures yielded a self-weighting sample for each type of area. However, the samples together are *not* representative for Port au Prince overall.

---

<sup>2</sup> NORC reviewed the sampling plan and generally provided quality control for the sampling, advice on the survey and data entry, and led questionnaire development.

<sup>3</sup> Further information is available in the BRIDES's report on the methods followed in the sample design and survey (BRIDES, 2011).

**Table 1. Sample Sizes and Allocations Among Zones**

	ZONE			
	Camps <sup>a</sup>	Lower-Income	Middle-Income	Total
Target sample size	1,000	680	1,721	3,401
Number of completed interviews	984	662	1,719	3,365
Communes included	Carrefour Cité Soleil Port-au-Prince Delmas Pétion-ville Tabarre	Carrefour Cité Soleil	Port-au-Prince Delmas Pétion-ville Tabarre	

a. Although camps are located in the lower- and middle-income communes, those in camps are included only in the data for the camps zone.

### **SECTION III. QUESTIONNAIRE CONTENT AND SURVEY ADMINISTRATION**

The focus was on acquiring information on income and the housing and communal circumstances for households living in three dwelling types (current, past, future) in three areas in Port au Prince. Information was also obtained on the composition of the household before the earthquake, where those persons who survived live now, household members' education attainment, labor force status, and past experience in taking loans. As noted, when inquiring about a "future dwelling," two kinds of housing adjustments were included: moving to another dwelling and renovating the currently occupied dwelling. The questionnaire distinguished between the two possibilities.

Many analysts believe that household consumption is a better measure of well-being than income (e.g., Deaton and Grosh, 2000). The decision to focus on income here was based on the belief that the respondent was more likely to have more accurate knowledge about the current incomes of household members who were part of the larger household at the time of the earthquake but are now living elsewhere than about current spending on various items. The questionnaire asks about different sources of income (e.g., employment, self-employment, pensions or other such payments, and remittances) for each adult who is member of the *core household* — the members of the pre-earthquake household being interviewed, plus any new people in the household and other adults of the pre-earthquake household who are likely to be reunited with the core household if suitable housing is found. (The *full household* comprises the core household plus family members likely to return to the household.) The questionnaire also obtained broad information on the core household's non-housing expenditures, detailed information on housing and communal services expenditures, and a simple inventory of main durable goods owned.

Two solutions were included in asking about "future housing": relocation to another dwelling and renovation of the current dwelling. The questionnaire distinguished between the two responses and tabulations are presented separately for them.

The complexity of conducting the interviews should not be minimized. In some cases, household composition is complicated and membership fluid. Similarly, the future status of household members at the time of the earthquake who were not part of the core household at the time of the interview was not always easy for respondents to identify. BRIDES' interviewer training was designed to help interviewers know how to handle such situations consistently.

All interviews were conducted in person. Paper survey forms were completed during the interview. All interviewers were bilingual in French and Creole, and questionnaires were prepared in both languages. The interview was conducted in the language the respondent preferred. Each interviewer team was led by a supervisor who checked each questionnaire for completeness and internal consistency.

Data from the completed forms was entered twice by independent data-entry staff, item-by-item consistency checks made, and inconsistencies corrected. A final review of each case was made for completeness and consistency. NORC staff conducted careful quality control analysis of only

the first 300 records and provided comments to BRIDES. BRIDES was then responsible for final cleaning and quality control, but this was limited by time pressures to complete the task. NORC identified remaining apparent problem data items and excluded records with an item problem from tabulations in which an item was used. As a consequence, the tabulations in this report are not strictly comparable in all cases because of differences in the data set used in each. We also note that we identified major differences between the incomes and overall expenditures households reported, with expenditures being implausibly large in a number of cases. Reported housing-related expenditures, on the other hand, were consistently more realistic.

## SECTION IV. TABULATIONS ON INCOME AND HOUSING

The results are organized in three sections: household incomes, respondents' expectations about remittances they could receive to improve their housing situation, and the plans for financing dwelling purchases of households who believe they will improve their housing in the next year.

### A. Income Distributions, Housing Purchasing Power

The presentation starts with information on the summer 2011 monthly household income distribution for the areas surveyed. Tables 2a and 2b (next page) show income data for core households and full households. Each panel shows data for 10 income deciles for each of the three zones and for all households combined (last column). The entries are the mean reported household income for each decile in HTG. For example, the mean income for the 7th income decile for core households in all three zones combined is HTG 15,575.

The housing purchasing power of households in this group can be calculated by applying the share of household income such a household could reasonably spend on housing, including or excluding expenditures on associated utilities. Households in the 7th decile devoting 30 and 35 percent of their income to housing would have monthly housing purchasing power of HTG 4,672 and 5,451, respectively. Of course, it is likely that respondents underreported their incomes to some extent. The values in the table can easily be adjusted upward for the extent of underreporting a reader expects.

As anticipated, the mean monthly income values for households in the camps is consistently and substantially lower than those of households living elsewhere in the low- and middle-income zones. This makes sense: More than 18 months after the earthquake, most households remaining in the camps almost certainly have the fewest resources to use in acquiring better housing. The mean monthly income in the lower-income zone is about HTG 19,929, more than twice that of households living in the camps.

The mean incomes of the lower- and middle-income zones are similar, with a difference of only 5.5 percent. For the 2nd through 6th income deciles, middle-income zone households' incomes are consistently higher than those of households in the lower-income zone. However, the zones' incomes remain similar until the highest decile, where the middle-income zone is distinctly higher. The overall difference is somewhat less than anticipated; this may be due to post earthquake household movements.

The differences between core and full household incomes are quite modest. (See Tables 2a and 2b, next page.) Respondents were asked if people who had been household members before the earthquake *and not living with them currently* would return to the core household if larger or better housing were found. Only 0.7 percent of respondent households located in the lower- and middle-income zones responded that someone would rejoin the household. The figure rises to 3 percent for camps — still a modest share and rather lower than we had anticipated.<sup>4</sup> The

<sup>4</sup> If respondents provided accurate information, this finding suggests a low incidence of households keeping a few family members in camps when others are living elsewhere in better housing to secure any benefits that may accrue to camp dwellers. On the other hand, camp households could be renting a dwelling they control while staying in a camp. Concerns of this type are expressed in "Haiti's Tent Cities: Nowhere to Go," *The Economist*, September 10, 2011, p.42.

difference in the mean monthly income for those in the camps between the core and full households is 5.6 percent, which is statistically significant. Even though the incidence of full households compared to core households among all respondents is small, it is higher for those in the camps. And for some households, particularly those in the camps, the income difference is substantial. For this reason, we focus on full incomes in the presentation because they provide a more accurate picture of housing purchasing power.

**Table 2a. Metropolitan Port au Prince Household Monthly Income Estimates, Mean Income by Income Decile, Core Households**

INCOME DECILE	ZONE			
	Mean Core Income (HTG)			
	Temporary Camps	Lower-Income Communes	Middle-Income Communes	Total
Lowest 10%	850.39	1473.90	1361.85	
Second	1978.54	2991.50	3526.97	3093.82
Third	2719.42	4087.80	5240.09	4428.39
Fourth	3865.27	5857.79	7633.87	6331.56
Fifth	4893.29	8847.66	10035.59	8511.17
Sixth	5861.38	12289.00	13480.23	12200.38
Seventh	7462.40	17704.98	18083.41	15574.99
Eighth	9703.89	24803.86	24691.77	21750.86
Ninth	13595.79	36089.20	36702.38	31596.65
Highest 10%	30955.85	86287.00	89716.48	76505.11
<b>Total</b>	<b>8102.49</b>	<b>19929.60</b>	<b>21021.03</b>	<b>18034.88</b>

Household income distribution (non-zero core incomes only). Valid  $n=1929$

**Table 2b. Metropolitan Port au Prince Household Monthly Income Estimates, Mean Income by Income Decile, Full Households**

INCOME DECILE	ZONE			
	Mean Full Income (HTG)			
	Temporary Camps	Lower-Income Communes	Middle-Income Communes	Total
Lowest 10%	888.33	2949.31	1473.90	1365.16
Second	1982.86	4087.80	3531.18	3105.20
Third	2730.46	5855.21	5242.70	4378.60
Fourth	3887.15	8206.03	7641.57	6337.86
Fifth	4893.29	11373.40	10046.27	8395.61
Sixth	5916.31	17704.98	13527.25	11864.21
Seventh	7505.42	24803.86	18074.07	15739.02
Eighth	9885.39	36089.20	24652.55	21426.71
Ninth	14504.34	86530.90	36900.15	31755.38
Highest 10%	33985.48	19933.39	90193.95	77250.96
<b>Total</b>	<b>8557.03</b>		<b>21125.95</b>	<b>18130.31</b>

Household income distribution (all non-zero incomes). Valid  $n=1948$

These income statistics yield an important lesson for future household surveys in Haiti: Outside of camps, to get quite reliable estimates in questions about incomes, there is no need to ask about parts of pre-earthquake households living elsewhere.

Because the income figures in the Nathan Associates study have been widely used in housing affordability calculations, it is worthwhile to compare its income distributions with the distributions from this survey. (See Table 3, below). Any comparison is inexact, however, because the Nathan data were for the entire metro area, including very low-income areas, and this survey focused on selected communes. Moreover, the original 2001 study asked many more questions about household incomes and expenditures. Usually, greater care in asking about incomes and expenditures yields higher and more reliable data.

There is a surprisingly large difference in the two distributions, with the survey data showing distinctly higher monthly incomes in all deciles. In the 7th decile, for example, the mean income from the Nathan analysis is HTG 4,925 and this survey's (full incomes) is HTG 15,739. This survey's estimated incomes are consistently two to three times larger than the Nathan estimates. At least in the communes surveyed, purchasing power is considerably higher than indicated by the earlier study.

**Table 3. Comparison of Metropolitan Port au Prince Household Monthly Income Estimates from Middle Class Housing Study and the Present Survey, Mean Income by Income Decile**

Income Decile	Middle Class Housing Study <sup>a</sup>	Survey Estimates All Full Households
Lowest 10%	314	1,365
Second	796	3,105
Third	1,336	4,378
Fourth	1,990	6,337
Fifth	2,761	8,395
Sixth	3,653	11,864
Seventh	4,925	15,739
Eighth	7,159	21,426
Ninth	11,843	31,755
Highest	39,387	77,250

a. Figures from the Nathan report increased by 4.5 percent for inflation between summer 2010 and 2011. Inflation rate is from the International Monetary Fund's website.

## B. Possible Remittances for Improving Housing

Remittances are an important part of total household income in Haiti. Therefore, beyond the household's own resources, there is a distinct possibility that a family could obtain supplemental resources specifically to improve its housing, even in addition to usual remittances that were captured in questions about household income. In order to get a full picture of households' resources, the survey asked about this possibility, and the results are displayed in Table 4 on the next page. About 5 percent of this respondent group thought they could get such help. Of these, 19 percent thought they would receive a single payment, on average worth about HTG 74,350. The other 81 percent believed they would get multiple payments (an average of 4.2 payments

each) with a total average value of about HTG 156,300 — a sum equivalent to about nine months of mean household income.

### C. Financing Plans for Those Planning a Dwelling Purchase

For policy purposes, it is important to know the share of households planning to improve their housing in the near term — defined as the “next year” in this survey. It is also important to know the share and characteristics of those who plan to purchase a dwelling or build a new one. A remarkably high 29 percent of surveyed households said they planned to improve their housing in the next year. Of these, 14 percent said they planned to repair or renovate their current dwelling; 86 percent planned to purchase or rent a unit and relocate. Among all those planning to improve their housing, about 65 percent plans to own their future home. These households are not concentrated among the well-to-do, but have incomes similar to the distribution for all households shown in Table 2.

**Table 4. Estimates of Remittance Assistance Households Planning to Improve Their Housing Could Receive**

		Percentages and HTGs	Count
Proportion of households that could obtain financial help from outside Haiti		4.9	164
Frequency of help	One payment at beginning	18.6	29
	Periodic payments	81.4	127
Estimated size of one-time payments (HTG)		74,361.08	24
Frequency of periodic help, percent distribution	Monthly	30.2	35
	Each trimester	47.4	55
	Other	22.4	26
Estimated size of each periodic payment (HTG)		31,626.42	99
Estimated number of payments		4.19	86
Total value of multiple payments (HTG)		156,295.21	84

The focus in this section is on those households who plan to purchase an existing unit, build a dwelling, or improve their current unit, and have financing for the purchase or upgrade. This is a limited group of about 16 percent of all improvers — 62 households, or 1.8 percent of those in our sample. Only six households in this group plan to improve their current dwelling. We present several types of information for this group, beginning with its income distribution, followed by information on financing plans.

Table 5 (next page) presents two sets of income distribution figures: one based on the household’s reported income and one adjusted to include only the income sources that could be verified by a third party, such as a bank. Whenever a respondent was asked about an income source, s/he was also asked if the income from the source could be verified by a third party. There are only 41 observations, so the information is only suggestive of the true pattern.

Generally verifiable income for these households is about 60 percent of reported income. The figure is much lower — 38 percent — for the lowest income quintile and higher — 77 percent — for the third quintile. (For all households, the share is 50 percent with values of all income deciles being close to this figure.) Overall, the data suggests a substantial divergence between total household incomes and the amount of income a financial institution could verify for purposes of loan underwriting.

**Table 5. Estimates of Monthly Income of Households Planning to Improve Their Housing and the Share of Their Income That Can Be Verified**

INCOME QUINTILE	Mean Total Income	Mean Verifiable Income	Verifiable/Total Income	Valid n
Lowest 20%	1,079	241	.38	8
	4,593	2,843	.63	8
	9,374	7,230	.77	9
	18,305	9,194	.49	9
	46,714	24,428	.57	7
	<b>Total</b>	<b>15,156</b>	<b>8,378</b>	<b>.57</b>

*n*=41

a. Average is the mean value of the ratio of verifiable income to total income computed for each household.

How do households who plan to improve their housing situation through a dwelling purchase plan to finance their purchase? Tables 6a and 6b (next page) display the survey information. Respondents reported a variety of planned finance methods. About 20 percent plan to purchase outright with cash of their own. A similar percentage of households plans to do so with their own money and cash donations from friends and family members. Five percent anticipate getting help from their employers for a cash purchase. The most common plan — for 53 percent of these households —is to combine a down payment, averaging HTG 49,000, with a loan for the balance of the purchase price.

The most commonly anticipated loan source is the combination of a down payment and a loan, reported by half of respondents. Nearly one-third of those borrowing from any source said they planned to approach a commercial bank. Only 13 percent believed a microfinance agency could be a loan source. Interestingly, 19 percent expected that the private developer building their new home would provide at least some financing.

**Table 6a. Plans for Financing Home Purchase Among Those Planning to Purchase or Improve a Dwelling in the Next Year**

	%	Count
Percent with plans for financing future purchase	1.8	62
	Buy outright with cash	22.4
	Buy outright with cash and help from family/friends	19.0
Planned financing method, percent distribution	Buy outright with cash and help from employer	5.2
	Combination of down payment and loan	53.4
Estimated down payment (HTG)	49,018	46

**Table 6b. Percent Planning to Borrow Money from Various Sources by Source**

Source	%	Count
Commercial bank	31.7	20
Private developer	19.0	12
Cooperative	12.7	8
Lender	30.2	19
Family/friends	50.0	32
Employer	14.3	9
Microfinance agencies	12.7	8
Other sources	14.3	9

## **SECTION V. RENTAL COSTS AND AFFORDABILITY OF ALTERNATIVE HOUSING PACKAGES**

This section addresses the types of accommodation that can be rented at different price levels. About half of the dwellings in our sample not located in camps are rentals.

The analysis is for renters because we have better data on rents than dwelling values. Values data are thought to be less accurate for two reasons. First, households' estimates of the value of their unit if it were on the market at the time the survey have been remarkably reliable overall in a range of countries. However, given the dynamics of the housing market in Haiti, household estimates could be somewhat less informed. Second, in light of this uncertainty, the survey coded house values into only five wide categories, which is not sufficiently exact for the type of analysis reported here.

We begin by examining the rents of different unit types. Then we explore how much renters are spending on rents and communal services. These calculations did not include households living in the camps at the time of the survey and those who have a special arrangement with the owner (e.g., the household rents the dwelling from the employer of a household member or a relative). Last, we make selected comparisons among rental options and ability to pay. The combined information presented here should permit planners to determine the housing options available to households at different points in the income distribution.

### **A. Cost of Rental Alternatives**

We drew on three information sources to determine the cost of rental alternatives:

1. Informal observations as of spring 2011 on monthly rental costs in Port au Prince
2. The monthly rent distribution from the household survey
3. Monthly rents estimated by pricing several housing bundles defined by dwelling size, quality, and the presence of certain communal services<sup>5</sup>

#### **A1. Observations on the Current Market**

Several people provided data points based on direct observations in Port au Prince or discussions with knowledgeable people in May and June. These reports can be summarized as follows:

- Units in informal areas were renting for about \$50-\$100 (HTG 2,000-4,000) per month.
- A middle-income, 75 m<sup>2</sup> apartment in good condition rents for \$1,500-\$2,000 (HTG 60,000–80,000).
- Everyone agreed that prices were rising rapidly.

---

<sup>5</sup> The original analysis plan was to estimate rents using the so-called “hedonic model” statistical procedure, which permits the analyst to estimate the rent of units with different physical characteristics and levels of communal services. We experimented widely with different model specifications but failed to establish the type of robust relationships typically found in such estimates. Therefore, we switched to this comparative, simple procedure. A full explanation of the concepts underlying this type of analysis appears in Rosen (1974).

## A2. Rents and Communal Services Costs from the Household Survey

Table 7 shows the distribution of rents and the cost of communal services for the same dwellings by rent decile. As for the income data presented earlier, table entries are the mean value (e.g., rent) for a particular 10 percent of the distribution. Dwellings in this table and in the analysis described below are rented on a market basis, meaning the landlord is not a family member and the resident is not receiving rental assistance from his or her employer.<sup>6</sup> The resulting sample includes 716 renters.

The cost of communal services is the sum of the expenses for electricity, water, fuel, and garbage collection. Expenses were gathered on payments to both formal and informal suppliers. Informal suppliers include water vendors and payments to those who have illegally tapped public electricity lines, for example.

**Table 7. Distributions of Market Rents and Associated Communal Services Payments, Mean Monthly Expenditures for Each Rent Decile, in HTG**

Decile	Rent Distribution	Communal Services Cost Distribution
Lowest	363	940
Second	685	1,059
Third	950	1,184
Fourth	1,207	1,259
Fifth	1,459	1,199
Sixth	1,802	1,242
Seventh	2,302	1,531
Eighth	3,101	2,190
Ninth	4,487	1,652
Highest	16,219	3,429
Overall Mean	4,796	1,555

n=298

Rents reported by respondents are rather lower than those cited by knowledgeable observers about the same time. While observers put informal housing rents in the HTG 2,000-4,000 range, the mean rent in the table does not reach HTG 2,000 until the 7th decile, where the mean rent for this group of dwellings is HTG 2,302. The lowest mean monthly rent is the equivalent of only \$9. Rents rise steadily with incomes, while the pattern is a little less steadily upward for communal services. With only about 30 observations for each decile, some instability is expected.

---

<sup>6</sup> In the sample, about 7 percent of respondents rent from their parents. Forty-seven percent report having an arrangement with their employer. (This seems very high, and we have no way of verifying it.) An additional 5 percent report paying no rent, perhaps because they are squatters, and a few others report trivial amounts. All of these observations are excluded from the tabulations presented in this section. We are skeptical about the large share of households renting units associated with an employer, but dropped them to be conservative in establishing basic rent patterns.

Expenditures on communal services are substantial and clearly need to be taken into account when considering what housing package a household can reasonably afford. Indeed, only dwellings in the higher six rent deciles have rents higher than communal services expenditures. Occupants of dwellings in the lowest four rent deciles are, on average, spending several hundred HTG more each month on communal services than rents.

### A3. Pricing Rental Housing Bundles

We defined three housing bundles to represent the large middle of the housing distribution. Units are neither those constructed of the least durable materials and with the worst communal services nor the largest and best equipped. The survey used four dwelling characteristics to define the dwellings to be priced. (We could not use more attributes because, to compute the average rental costs, we needed to have prices for a minimum number of units, each included unit having *all* characteristics in a particular bundle.<sup>7</sup>) Two were physical dwelling attributes: the number of rooms and the material used for the roof. The other two addressed the quality of communal services: the household's source of water and the type of toilet facility. (See Table 8, next page.) Detailed information on the share of households in each zone occupying dwellings with each of these attributes appears in the tables in Annex B.

Unit Type A is the lowest quality unit; unit Type C is the highest. The pattern for communal services spending is as anticipated, with occupants of better units spending more per month. Occupants of Type A units spend HGT 1,317, and those occupying Type C units spend HTG 1,623. This might not have been the case because the price per unit of informally provided communal services is frequently higher than those provided by municipal systems.

The results for monthly rents differ from those for communal services in that rent for the Type B and C units is statistically the same; indeed, rents for Type B units, which were believed to be of somewhat lower overall quality than Type C units, are about 5 percent higher. Type B units have sheet metal roofs and pit latrines, and Type C units have concrete roofs and flush toilets.

Importantly, the analysis team faced strong challenges in establishing usually observed relationships between household income and different housing quality measures, and between rents and housing quality. This, combined with the information in Table 8 (next page), could indicate one or both of two situations. The first is that the post-earthquake housing market is quite inefficient in transmitting price information on different options to those searching for housing. Given Haiti's nascent real estate information systems, this could be anticipated. The second is that the housing market is segmented for some reason, with certain groups of households preferring to live within certain areas. Each of these areas naturally comes with its own set of communal services. Particularly after the earthquake's destruction, one could imagine premiums being charged in areas with the combination of greater housing stock damage and particularly strong attraction for certain groups.<sup>8</sup>

---

<sup>7</sup> For this analysis it was necessary to include units where the occupants reported that the landlord of the dwelling was the employer of someone in the household. Sample size with only units that were for certain rented at "market rates" was too small to provide any level of confidence in the results. It is worth noting that when the "non market" units are added, rents are actually higher than when they are excluded, which suggests it is better housing that is being assisted by employers if indeed respondents understood the question on employer assistance and answered it accurately.

<sup>8</sup> This phenomenon has been documented in U.S. housing markets. See, for example, Schnare and Struyk (1976).

**Table 8. Characteristics of Representative Rental Units and Their Mean Rents and Communal Services Charges**

Characteristics	Dwelling Type		
	A	B	C
Number of rooms	1	1	2 or 3
Roof building material	Sheet metal	Sheet metal	Concrete
Water source	Non-piped <sup>a</sup>	Piped water	Piped water
Toilet facility	Pit latrine <sup>b</sup>	Pit latrine	Flush
<b>Monthly Housing Payments (HTC)</b>			
Rents	2,995	3,843	3,602
Communal services	1,317	1,580	1,623
Total	4,312	5,423	5,225
<i>n</i> <sup>c</sup>	22	27	92

- a. All types of flush toilets are included regardless of whether they flush into a sewer, septic tank, pit latrine or other location.
- b. Piped water includes water piped into the house or the yard or the neighbor's yard.
- c. Number of rental units whose occupants reported information on all four characteristics and whose units have the specific attributes.

## B. Incomes and Rents

This subsection brings together the information on household incomes, rent, and communal services to provide a realistic picture of the distribution of effective housing purchasing power. The results are displayed in Table 9 (next page), which shows which of the three housing types households at different points in the income distribution can afford. Two different assumptions about the share of income households can devote to housing are employed: 25 and 35 percent. In addition, we also test the effect that a substantial (40 percent) underreporting of household income has on effective demand with households continuing to devote 25 and 35 percent of income to housing. Incomes used are the full household incomes presented in Section IV.

The results are sobering. Under the most optimistic assumption of income being underreported and households devoting 35 percent of their incomes to housing, only households in the top half of the income distribution can afford any of the three defined housing types. Where these higher income households can afford to rent a unit, they can afford Types B and C. The jump in the mean decile incomes of about HTG 2,000 per month in the range of the 3rd to 5th income deciles gives sufficient purchasing power for Types B and C rather than the cheaper Type A. It is worth noting that there is a distribution of the rents for each unit type in the market (i.e., not all units rent for the mean rent shown in Table 8). Presumably, households in the income decile just below the lowest one in the table, where rental costs are affordable, could afford at least a Type A unit. This does little, however, to change the overall pattern.

**Table 9. Unit Types Affordable for Households Devoting 25 Percent or 35 Percent of ‘Full’ Income to Rent and Communal Services Payments**

INCOME DECILE	PERCENT OF INCOME SPENT ON RENT AND COMMUNAL SERVICES			
	Income As Reported		Income Inflated by 40%	
	25%	35%	25%	35%
Lowest	—	—	—	—
Second	—	—	—	—
Third	—	—	—	—
Fourth	—	—	—	—
Fifth	—	—	—	—
Sixth	—	—	—	BC
Seventh	—	BC	BC	BC
Eighth	BC	BC	BC	BC
Ninth	BC	BC	BC	BC
Highest	BC	BC	BC	BC

\* Units types are defined in Table 8.

## **SECTION VI. SUMMARY**

The purchasing power of Haitian households is clearly limited for dwellings with even quite modest features. Even under optimistic assumptions about the share of income households can spend on housing and related infrastructure services, and significant increases in reported incomes for possible underreporting, households in the lower half of the income distribution cannot afford the modest units defined.

Nevertheless, a significant share (29 percent) of Haitian households has concrete plans to improve their housing in the next year. A substantial majority plans to relocate to an owner-occupied unit to do so. Only 16 percent of owner-improvers have a plan for financing their purchase. There may be more opportunities for financing improved housing than the population knows about, which would hold down families taking the initiative to purchase a dwelling. Also, new financing vehicles may emerge from the donor community's work with the Haitian government that will encourage more households to do so. An important government initiative at the appropriate time could be an information campaign on available loan sources and terms. That said, those who plan for improvement may underestimate the cost of purchasing a home or improving their current dwelling, and overestimate the availability of finance. In short, a great deal of uncertainty remains.

The analysis also yields some lessons for future analytic and policy work in Haiti.

1. In calculating housing affordability, it is imperative to include the cost of communal services as well as rent or mortgage payments.
2. Only a small share of pre-earthquake households appears at this time to have members living in separate clusters for housing reasons. This should simplify assessments of the number of households needing housing assistance and determining their economic resources.
3. The housing market appears to be quite complex to judge by the difficulties the research team had in establishing standard relationships between rents and housing characteristics. This may reflect very poor information on housing opportunities so that rents or prices of similar units differ by location for no economic reason. Some action to make information on rents and home prices of units with differing characteristics and locations appears warranted.

## **ANNEX A. QUESTIONNAIRE IN FRENCH AND ENGLISH**

The base questionnaire is in French. English translation has been inserted under each text block. The questionnaire begins on the next page.

**BUREAU DE RECHERCHE EN INFORMATIQUE ET EN DEVELOPPEMENT ÉCONOMIQUE  
ET SOCIAL**  
**ENQUETE SUR LES BESOINS EN LOGEMENT**  
**QUESTIONNAIRE DESTINÉ AU CHEF DE MÉNAGE**  
**BRIDES, MAI 2011**

**Numéro du questionnaire :** |\_\_\_\_|\_\_\_\_|\_\_\_\_|\_\_\_\_|

**Introduction de l'Enquêteur :**

Bonjour/Bonsoir (M. /Mme) je m'appelle \_\_\_\_\_. Je suis un Enquêteur du BRIDES ; un bureau d'Etudes et d'Enquêtes statistiques.

Nous menons actuellement une enquête sur les besoins en logements pour les familles à Port-au-Prince et sur comment le tremblement de terre a affecté les conditions de vie des familles. Dans le cadre de cette étude plusieurs ménages seront interviewés (visités) dans cette zone. Votre ménage a été sélectionné au hasard. Les informations recueillies sont confidentielles et seront utilisées à des fins strictement statistiques. Il n'y a donc aucun risque pour vous de participer à cette enquête.

Votre participation est volontaire. Si vous acceptez de participer vous ne devez vous attendre à quoique ce soit de notre part. Cependant les informations que vous allez donner vont aider le Gouvernement Haïtien, les Bailleurs de Fonds et les partenaires à améliorer la situation de logement en Haïti.

L'interview ne sera pas longue, elle devra durer environ **90** minutes. Et vous pouvez décider de ne pas répondre à une question spécifique si vous l'estimez nécessaire ou d'arrêter l'interview à n'importe quel moment. Avez-vous des questions ?

Acceptez-vous de participer à l'enquête ?      1 Oui      2 Non

Si 2 ➔ Arrêter l'interview et passer à un autre ménage

**ENQUETEUR:** VOUS DEVEZ SIGNER AU BAS DE CETTE FORME AVANT DE CONTINUER. VOTRE SIGNATURE CERTIFIE QUE LES OBJECTIFS ET PROCEDURES DE L'ENQUETE ONT ETE COMMUNIQUES AU PARTICIPANT. CECI CERTIFIE QUE VOUS AVEZ REPONDU A TOUTES LES QUESTIONS DU PARTICIPANT CONCERNANT L'ENTREVUE, QUE VOUS AVEZ OFFERT UNE COPIE DU CONSENTEMENT ORAL, ET QUE CE DERNIER A ACCEPTE DE PARTICIPER A L'ENQUETE.

**Date de l'Entrevue :** \_\_\_\_ / \_\_\_\_ / 2011      **Signature de l'Agent Enquêteur :** \_\_\_\_\_

**Date du contrôle du questionnaire :** \_\_\_\_ / \_\_\_\_ / 2011      **Code / Signature du Superviseur :** \_\_\_\_ / \_\_\_\_\_

**Date de la première saisie :** \_\_\_\_ / \_\_\_\_ / 2011      **Nom / Code de l'opérateur de saisie :** \_\_\_\_\_

**Date de la seconde saisie :** \_\_\_\_ / \_\_\_\_ / 2011      **Nom / Code de l'opérateur de saisie :** \_\_\_\_\_

Heure de début : \_\_\_\_ : \_\_\_\_

## MODULE A. LOCALISATION DU MENAGE

A0	Numéro du ménage dans la Sd'E <i>Household number in the enumeration area</i>	_____		
A1	Nom du répondant <i>Family name of respondent</i>	_____		
A2	Prénom du répondant <i>First name of respondent</i>	_____		
A3	Dans quelle commune hébergez-vous actuellement ? <i>In which commune do you currently reside ?</i>	_____	1 PORT-AU-PRINCE 2 CARREFOUR 3 DELMAS	4 PÉTION-VILLE 5 TABARRE 6 CITÉ SOLEIL
A4	Où habitez-vous avant de venir dans ce quartier? <i>Where did you live before coming to this area ?</i>	_____	1 DANS CETTE COMMUNE DE L'AIRE METROPOLITAINE <i>IN THIS COMMUNE OF THE METROPOLITAN AREA (M.A.)</i> 2 DANS UNE AUTRE COMMUNE DE L'AIRE METROPOLITAINE <i>IN ANOTHER COMMUNE OF THE M.A.</i> 3 UNE ZONE URBAINE EN DEHORS DE L'AIRE METROPOLITAINE <i>IN AN URBAN ZONE OUTSIDE THE M.A.</i> 4 UNE ZONE RURALE EN DEHORS DE L'AIRE METROPOLITAINE <i>IN A RURAL ZONE OUTSIDE THE M.A.</i> 9 AUTRES ZONES ( <i>préciser</i> ) _____	
A5	Depuis quand vivez-vous dans cette zone? <i>Since when have you been living in this zone ?</i>	_____	1 MOINS DE 3 MOIS <i>LESS THAN 3 MONTHS</i> 2 3 A 6 MOIS 3 7 A 12 MOIS 4 13 A 18 MOIS 5 19 A 36 MOIS 6 PLUS DE 36 MOIS <i>MORE THAN 36 MONTHS</i>	
A6	Si vous êtes venu dans la zone dans les derniers 18 mois, est-ce le tremblement de terre qui vous a poussé à vous déplacer? <i>If you arrived within the last 18 months, is it the earthquake that led you to move ?</i>	_____	0 OUI 1 NON ➔ MODULE B	
A7	Si oui, pour quelles raisons aviez-vous abandonné la zone où vous habitez avant le tremblement de terre? <i>If yes, for which reasons did you leave the zone where you lived before the earthquake ?</i>	_____	1 MAISON DÉTRUIITE COMPLÈTEMENT <i>HOUSE COMPLETELY DESTROYED</i> 2 MAISON FISSURÉE IRRÉPARABLE <i>HOUSE CRACKED UNFIXABLE</i> 3 MAISON FISSURÉE RÉPARABLE <i>HOUSE CRACKED FIXABLE</i> 4 DÉLAI DU BAIL ÉCHU <i>LEASE EXPIRED</i> 5 SANS REVENU POUR PAYER LE LOYER <i>NO REVENUE TO PAY RENT</i> 6 CONDITIONS DE VIE DEVENUES TRÈS MAUVAISES <i>LIVING CONDITIONS BECAME VERY BAD</i> 9 AUTRES	

## MODULE B. COMPOSITION DU MENAGE

Je vais vous poser quelques questions sur les personnes qui font partie de votre ménage. Par « ménage », je veux dire les personnes qui vivent actuellement avec vous et qui prennent le repas ensemble au moins 4 fois par semaine. Il est possible que d'autres personnes qui vivaient avec vous avant le tremblement de terre ne vivent plus avec vous aujourd'hui. Il est aussi possible que certaines personnes qui ne vivaient pas avec vous avant le tremblement de terre vivent avec vous maintenant. J'aimerais tout d'abord que vous vous concentriez uniquement sur les personnes qui vivent avec vous, ensuite je vous poserai des questions sur d'autres personnes qui pourraient revenir vivre avec vous si votre situation résidentielle changeait. Ainsi, nous parlerons de « ménage actuel » (ceux qui vivent avec vous maintenant) et de « ménage recomposé » (tous ceux qui vivront avec vous une fois que votre situation résidentielle changera).

I'm going to ask you some questions about the people who belong to your household. By « household » I mean all the persons who live with you currently and who take a meal together at least 4 times a week. It's possible that other people who lived with you before the earthquake do not live with you any longer today. It is also possible that some people who did not live with you before the earthquake do live with you now. I would first like you to focus on the people who live with you only, then I will ask you questions about other people who could come back to live with you if your residential situation changed. We will thus talk about « current household » (those who live with you now) and « recomposed household » (all of those who will live with you once your residential status changes).

### LISTE 1 – MENAGE TEL QUE CONSTITUÉ AUJOURD'HUI

No DU MEMBRE	B1.1	B1.2	B1.3	B1.4	B1.5	B1.6	CODES POUR B1.3
	Veuillez lister les noms de toutes les personnes qui font partie de votre ménage actuel (ceux qui vivent et mangent avec vous au moins 4 fois par semaine actuellement). Veuillez commencer par vous-même.  Pour vous faciliter la tâche, enregistrez ensuite du plus âgé au moins âgé.  Please list the names of all the persons who are part of your current household (those who live and eat with you at least 4 times a week currently). Please start with yourself.	Quel est le sexe de [NOM] ?  1 MASCULIN 2 FEMININ	Quel est le lien de parenté de [NOM] avec le chef de ménage ?  VOIR CODES  What is the relationship of [NAME] with head of household ?	Quel était l'âge de [NOM] lors de son dernier anniversaire?  SI EN-DESSOUS DE 1 AN, ENTRER 00.	(SI B1.4>16 ANS) Quel est le statut matrimonial de [NOM] ?  1 CÉLIBATAIRE DEPUIS TJOUPS SINGLE SINCE ALWAYS 2 MARIÉ(E) MARRIED 3 PLACE(E) « PLACED » 4 VEUF (VE) WIDOW 5 DIVORCÉ(E) DIVORCED 6 SÉPARÉ(E) SEPARATED  What is marital status of [NAME]?	Si votre situation résidentielle change dans le futur proche, [NOM] continuera-t-il/elle de vivre avec vous ?  0 NON 1 OUI  If your residential situation changes in the near future, would [NAME] continue to live with you ?	10 CHEF DE MENAGE HEAD OF HH 11 CONJOINT SPOUSE 12 FILS / FILLE SON/DAUGHTER 13 FILS / FILLE ADOPTIVE ADOPTED SON/DAUGHTER 14 FRÈRE / SŒUR BROTHER/SISTER 15 FRÈRE / SOEUR PAR ADOPTION BROTHER/SISTER BY ADOPTION 16 FRÈRE / SOEUR DU CONJOINT BROTHER/SISTER OF SPOUSE 17 PÈRE / MÈRE FATHER/MOTHER 18 PÈRE / MÈRE PAR ADOPTION FATHER/MOTHER BY ADOPTION 19 PÈRE / MÈRE DU CONJOINT FATHER/MOTHER OF SPOUSE 20 BEAU-FILS / BELLE-FILLE SON/DAUGHTER-IN-LAW 21 PETIT-FILS / PETITE-FILLE GRANDSON/GRANDDAUGHTER 22 GRAND-PARENT GRANDPARENT 23 ENFANT DE LA SŒUR CHILD OF SISTER 24 ENFANT DU FRÈRE CHILD OF BROTHER 25 SOEUR DE LA MÈRE SISTER OF MOTHER 26 FRÈRE DE LA MÈRE BROTHER OF MOTHER 27 SOEUR DU PÈRE SISTER OF FATHER 28 FRÈRE DU PÈRE BROTHER OF FATHER 29 AUTRE PARENT OTHER RELATIVE 30 AUTRE PARENT DU CONJOINT OTHER RELATIVE OF SPOUSE 31 PERSONNE EN DOMESTICITÉ DOMESTIC STAFF 32 AUTRE PERSONNE QUI N'APPARTIENT PAS À LA FAMILLE OTHER THAT DOES NOT BELONG TO FAMILY 99 AUTRE
01		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
02		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
03		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
06		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
07		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
08		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
09		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**DEMANDER SEULEMENT POUR LES PERSONNES DE PLUS DE 10 ANS**

No DU MEMBRE DU MENAGE	B1.7	B1.8	B1.9	B1.10	<u>CODES POUR B1.8</u>	<u>CODES POUR B1.10</u>
	<i>(SI B1.4&lt;10 → PROCHAIN MEMBRE</i>	Quel est le niveau d'instruction formelle le plus élevé atteint / Niveau fini?  <i>VOIR CODES</i>	<i>(SI B1.8=99)</i> Spécifier « autre »	Quel est le diplôme/qualification le plus élevé atteint?  <i>VOIR CODES</i>	<b>CYCLE PRIMAIRE</b> 01 PRÉPARATOIRE 1 / 1 A.F. <b>PRIMARY 1</b> 02 PRÉPARATOIRE 2 / 2 A.F. <b>PRIMARY 2</b> 03 ELÉMENTAIRE 1 / 3 A.F. <b>PRIMARY 3</b> 04 ELÉMENTAIRE 2 / 4 A.F. <b>PRIMARY 4</b> 05 MOYEN 1 / 5 A.F. <b>PRIMARY 5</b> 06 MOYEN 2 / 6 A.F. <b>PRIMARY 6</b>  <b>CYCLE SECONDAIRE</b> 07 SIXIÈME / 7 A.F <b>SECONDARY 1</b> 08 CINQUIÈME / 8 A.F. <b>SECONDARY 2</b> 09 QUATRIÈME / 9 A.F. <b>SECONDARY 3</b> 10 TROISIÈME <b>SECONDARY 4</b> 11 SECONDE <b>SECONDARY 5</b> 12 RHÉTORIQUE 13 PHILOSOPHIE 14 ETUDES SUPÉRIEURES <b>UNIVERSITY</b> 99 AUTRES	01 AUCUN <b>NONE</b> 02 CERTIFICAT D'ETUDES PRIMAIRES <b>PRIMARY SCHOOL CERTIFICATE</b> 03 CERTIFICAT 9 <sup>E</sup> A.F. <b>SECONDARY 3 CERTIFICATE</b> 04 CERTIFICAT DE BREVET 05 CERTIFICAT BACC I 06 CERTIFICAT BACC II 07 DIPLOME DE SECRETARIAT <b>SECRETARIAL DIPLOMA</b> 08 DIPLOME DE TECHNICIEN EN INFORMATIQUE <b>IT TECHNICIAN DIPLOMA</b> 09 LICENCIE 10 MAITRISE 11 DOCTORAT 99 AUTRE
01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
06	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
07	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
08	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

## LISTE 2 – MENAGE RECOMPOSE

Je vais maintenant vous poser des questions sur les personnes qui vivaient avec vous avant le tremblement de terre et ne vivent plus avec vous maintenant.

Now I'm going to ask you questions about the people who lived with you before the earthquake and do not live with you now.

B2.0	<p>Y avait-il d'autres personnes qui faisaient partie de votre ménage avant le tremblement de terre et qui ne vivent plus avec vous maintenant? C'est-à-dire d'autres personnes qui vivaient avec vous et qui prenaient le repas avec vous au moins 4 fois par semaine. SI NON, PASSEZ A → MODULE C.</p> <p>Are there other people that used to be part of your household before the earthquake and that do not live with you any longer now ? That is, other people that lived with you and ate with you at least 4 times a week .</p>		<input type="checkbox"/>	0 NON → MODULE C 1 OUI		
No DU MEMBRE	<p>Veuillez lister les noms de toutes les personnes qui faisaient partie de votre ménage avant (ceux qui vivaient et mangeaient avec vous au moins 4 fois par semaine) et qui ne vivent plus avec vous maintenant.</p> <p>Please list the names of all the persons who are part of your current household (those who live and eat with you at least 4 times a week currently). Please start with yourself.</p>	<p>Quel est le sexe de [NOM] ?</p> <p>1 MASCULIN 2 FEMININ</p> <p>What is the gender of [NAME] ?</p>	<p>Quel est le lien de parenté de [NOM] avec le chef de ménage (membre 01 de la liste 1) ?</p> <p>VOIR CODES</p> <p>What is the relationship of [NAME] with head of household ?</p>	<p>Où [NOM] réside-t-il/elle actuellement ?</p> <p>1 DANS CETTE COMMUNE DE L'A. M. 2 DANS UNE AUTRE COMMUNE DE L'A.M. 3 UNE ZONE URBAINE EN DEHORS DE L'A.M. 4 UNE ZONE RURALE EN DEHORS DE L'A.M. 9 AUTRES ZONES</p> <p>Where does [NAME] reside currently ?</p> <p>1 IN THIS COMMUNE OF THE M.A. 2 IN ANOTHER COMMUNE OF THE M.A. 3 URBAN ZONE OUTSIDE THE M.A. 4 RURAL ZONE OUTSIDE THE M.A.</p>	<p>Pour quelle raison [NOM] ne réside pas avec vous maintenant ?</p> <p>1 PAS ASSEZ DE PLACE ICI 2 N'A PAS ASSEZ D'ARGENT POUR LES NOURRIR 3 [NOM] PROTEGE/S'OCCUPE D'UNE AUTRE RESIDENCE POUR LA FAMILLE 4 LA SITUATION PERSONNELLE DE [NOM] A CHANGE ET [NOM] VOULAIT VIVRE AUTRE PART 9 AUTRE (SPECIFIER)</p> <p>For what reason does [NAME] not live with you now.</p> <p>1 NOT ENOUGH SPACE HERE 2 DON'T HAVE ENOUGH MONEY TO FEED THEM 3 [NAME] IS PROTECTING/TAKING CARE OF ANOTHER RESIDENCE FOR THE FAMILY 4 THE PERSONAL SITUATION OF [NAME] CHANGED AND [NAME] WANTED TO LIVE ELSEWHERE</p>	<p>Si c'était possible, est-ce que [NOM] viendrait habiter avec vous ? Par exemple, si vous aviez une plus grande habitation ou une habitation mieux équipée.</p> <p>0 NON 1 OUI</p> <p>If it were possible, would [NAME] come to live with you ? for instance, if you had a bigger dwelling or if your dwelling were better equipped.</p>
11		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No DU MEMBRE DU MENAGE	B2.7	B2.8	B2.9	B2.10	B2.11	B2.12	Codes for B2.10	CODES POUR B2.12
		(SI B1.4>16 ANS) Quel est le statut matrimonial de [NOM] ?  SI EN-DESSOUS DE 1 AN, ENTRER 00.  SI B2.7 < 10 ANS, PASSER A → B2.9  What was the age of [NAME] at his last birthday	SI B2.7<10 ➔ PROCHAIN MEMBRE  1 CÉLIBATAIRE DEPUIS TJOUS SINGLE SINCE ALWAYS 2 MARIÉ(E) MARRIED 3 PLACE(E) « PLACED » 4 VEUF (VE) WIDOW 5 DIVORCÉ(E) DIVORCED 6 SÉPARÉ(E) SEPARATED  What is marital status of [NAME]?	SI B2.7>10 : Est-ce-que [NOM] a-t-il déjà fréquenté l'école ?  0 NON ➔ MEMBRE DU MENAGE SUIVANT 1 OUI  Has [NAME] ever attended school?	Quel est le niveau d'instruction formelle le plus élevé atteint / Niveau fini?  (SI B2.10=15) VOIR CODES What is the highest level of formal education obtained/completed?	Quel est le diplôme/qualification le plus élevé atteint?  Spécifier « autre »  VOIR CODES What is the highest degree/qualification obtained?	<b>CYCLE PRIMAIRE</b> 01 PRÉPARATOIRE 1 / 1 A.F. 02 PRÉPARATOIRE 2 / 2 A.F. 03 ÉLÉMENTAIRE 1 / 3 A.F. 04 ÉLÉMENTAIRE 2 / 4 A.F. 05 MOYEN 1 / 5 A.F. 06 MOYEN 2 / 6 A.F.  <b>CYCLE SECONDAIRE</b> 07 SIXIÈME / 7 A.F. 08 CINQUIÈME / 8 A.F. 09 QUATRIÈME / 9 A.F. 10 TROISIÈME 11 SECONDE 12 RHÉTORIQUE 13 PHILOSOPHIE 14 ETUDES SUPÉRIEURES  99 AUTRE	01 AUCUN 02 CERTIFICAT D'ETUDES PRIMAIRES 03 CERTIFICAT 9 <sup>E</sup> A.F. 04 CERTIFICAT DE BREVET 05 CERTIFICAT BACC I 06 CERTIFICAT BACC II 07 DIPLOME DE SECRETARIAT 08 DIPLOME DE TECHNICIEN EN INFORMATIQUE 09 LICENCIÉ 10 MAITRISE 11 DOCTORAT  99 AUTRE
11	__	__	__	__	__	__		
12	__	__	__	__	__	__		
13	__	__	__	__	__	__		
14	__	__	__	__	__	__		
15	__	__	__	__	__	__		

## **MODULE C. REVENU DU MENAGE**

Je vais maintenant vous poser quelques questions sur les revenus des personnes qui feront probablement partie de votre ménage dans le futur (c'est-à-dire les personnes du ménage actuel qui continueront de vivre avec vous ainsi que les personnes du ménage recomposé qui vous rejoindront plus tard). Je comprends que vous pourriez ne pas connaître les revenus exacts de chaque personne. S'il y a quelqu'un d'autre qui aurait de meilleures informations, vous pouvez les inviter à se joindre à nous si c'est pratique. En tout cas, merci de me donner vos meilleures estimations.

Now I'm going to ask you questions about the revenue of the people who will most likely be part of your household in the future (that is the people from the current household who will continue to live with you as well as the people from the recomposed household that will join you later). I understand that you might not know the exact revenue of each person. If there's another person who'd have better information, you can invite them to join us if it's convenient. In any case, please give me your best estimate.

**POSER CES QUESTIONS SEULEMENT SI LE MEMBRE DU MENAGE A PLUS DE 11 ANS.**

No DU MEMBRE	C1.1	C1.2	C1.3	C1.4	C1.5	C1.6	C1.7	C1.8	CODES FOR C1.1
		Quelle est la situation professionnelle de [MEMBRE DU MENAGE]? <i>SI 1 'EMPLOYE', CONTINUER AVEC C2 AUTRES CODES ➔ C1.9</i> Labor force status	(SI C1=1) Pour quel type de compagnie/ organisation travaille-t-il/elle?  For what kind of company/org does [NAME] work ?	Quel type d'activité effectue-t-il/elle?  What type of activity does he do	Quel est son salaire mensuel moyen pour cet emploi?  (EN GOURDES)  Average monthly income	Est-ce que ce revenu peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt?  Could this income be documented if a lender wanted to confirm it in order to make a loan?	[MEMBRE] a-t-il un second emploi?  0 NON 1 OUI  0 ➔ C1.9  Second job?	Quel est le salaire mensuel moyen de ce second emploi durant les 3 derniers mois?  (EN GOURDES)  Average monthly income in the past 3 months?	Est-ce que ce revenu peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt?  0 NON 1 OUI  Could this income be documented if a lender wanted to confirm it in order to make a loan?
01									CODES FOR C1.2
02									1 ENTREPRISE SECTEUR PRIVÉ PRIVATE COMPANY 2 ADMINISTRATION/ ENTREPRISE PUBLIQUE PUBLIC COMPANY/ADMIN
03									3 ONG NGO
04									4 ENTREPRISE FAMILIALE FAMILY COMPANY
05									5 MAISON PRIVEE PRIVATE HOUSE
06									9 AUTRE
07									CODES FOR C1.3
08									1 ACTIVITE TECHNIQUE/ PROFESSIONNELLE PROFESSIONAL/TECHNICAL ACTIVITY
09									2 ADMINISTRATION/GESTION MANAGEMENT/ADMIN
10									3 ACTIVITE DE BUREAU OFFICE WORK 4 ACTIVITE COMMERCIALE/ VENTE EN GROS/VENTE EN DETAIL COMMERCIAL ACTIVITY/RETAIL/WHOLESALE 5 ACTIVITE TERTIAIRE/SERVICE (HOTEL/RESTAURANT/ETC) TERTIARY ACTIVITY/SERVICE (HOTEL/RESTAURANT) 6 ACTIVITE AGRICOLE AGRICULTURAL ACTIVITY 7 ACTIVITE MANUELLE (MENUISERIE, MECANIQUE, MACONNERIE, ETC) MANUAL LABOR (WOODWORK, AUTOMECHANIC, CONSTRUCTION ETC) 9 AUTRE

No DU MEMBRE	C1.9	C1.10	C1.11	C1.12	C1.13	C1.14	C1.15	C1.16	C1.17
	[MEMBRE] reçoit des revenus de transfert de l'étranger ou d'autre zone d'Haïti régulièrement? basis? 0 NON →C11 1 OUI  SI REVENU EST GENERAL, ALLOUER AU CHEF DE MENAGE  Any remittance received from out of the country or from elsewhere in Haiti on a regular basis?	Combien [MEMBRE] a reçu en moyenne <u>par mois</u> [REVENU EN C1.9] <u>durant les 3 derniers mois</u> ?  (EN GOURDES)	Est-ce que ce revenu en <b>C1.9</b> peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt? Par exemple avec des documents de la banque. 0 NON 1 OUI  Could this income be documented if a lender wanted to confirm it in order to make a loan, for example, through bank records?	[MEMBRE] reçoit d'autres revenus comme une pension ou une subvention régulière de l'Etat 0 NON →C14 1 OUI  SI CE REVENU EST GLOBALEMENT REMIS, Veuillez l'ATTRIBUER AU CHEF DE MENAGE  Other sources of income, such as a pension or other regular payment from the government	Combien [MEMBRE] a reçu en moyenne <u>par mois</u> [REVENU EN C1.12] <u>durant les 3 derniers mois</u> ?  (EN GOURDES)	Quel est le % de ce revenu en <b>C1.12</b> qui peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt? Par exemple avec des documents de la banque. (EN %)  How much did [MEMBER] receive per month on average in the past three months from income in C1.12 ?	[MEMBRE] reçoit d'autres revenus comme le loyer d'une propriété, intérêts sur l'épargne, bénéfices sur actions? 0 NON →PROCHAIN MEMBRE 1 OUI SI CE REVENU EST GLOBALEMENT REMIS, Veuillez l'ATTRIBUER AU CHEF DE MENAGE  Other sources of income, such as rent from property, interest on savings, earnings on investments like the stock market	Combien [MEMBRE] a reçu <u>par mois</u> [ REVENU EN C1.15] <u>en moyenne durant les 3 derniers mois</u> ?  (EN GOURDES)	Quel est le % de ce revenu en C15 qui peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt? Par exemple avec des documents de la banque. (EN %)  How much did [MEMBER] receive per month on average in the past three months from income in C1.15 ?
01	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
02	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
03	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
04	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
05	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
06	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
07	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
08	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
09	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%
10	□	□□□□□□□□	□	□	□□□□□□□□	□□%  □	□	□□□□□□□□	□□%

No DU MEMBRE	C2.1	C2.2	C2.3	C2.4	C2.5	C2.6	C2.7	C2.8	CODES FOR C2.1
	Quelle est la situation professionnelle de [MEMBRE DU MENAGE]?  SI 1 'EMPLOYE', CONTINUER AVEC C2 AUTRES CODES ➔ PROCHAIN MEMBRE	(SI C1=1) Pour quel type de compagnie/ organisation travaille-t-il/elle?	Quel type d'activité effectue-t-il/elle?	Quel est son salaire mensuel moyen pour cet emploi?  (EN GOURDES)	Est-ce que ce revenu peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt?	[MEMBRE] a-t-il un second emploi?	Quel est le salaire mensuel moyen de ce second emploi durant les 3 derniers mois?  (EN GOURDES)	Est-ce que ce revenu peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt?	1 EMPLOYE 2 SANS EMPLOI 3 ETUDIANT 4 FEMME AU FOYER 5 NE PEUT PAS TRAVAILLER (HANDICAPE) 6 RETRAITE 7 AUTRE AVEC REVENU 8 AUTRE SANS REVENU
11									1 ENTREPR SECTEUR PRIVÉ 2 ADMINISTR./ENTREPRISE PUBLIQUE 3 ONG 4 ENTREPRISE FAMILIALE 5 MAISON PRIVEE 6 AUTRE
12									
13									
14									
15									CODES FOR C2.3  1 ACTIVITE TECH/PROFESS 2 ADMINISTRAT./GESTION 3 ACTIVITE DE BUREAU 4 ACTIVITE COMMERCIALE/VENTE EN GROS/VENTE EN DETAIL 5 ACTIVITE TERTIAIRE/SERVICE (HOTEL/RESTAURANT/ETC) 6 ACTIVITE AGRICOLE 7 ACTIVITE MANUELLE (MENUISERIE, MECANIQUE, MACONNERIE, ETC) 9 AUTRE

NO DU MEMBRE	C2.9 [MEMBRE] reçoit des revenus de transfert de l'étranger ou d'autre zone d'Haïti régulièrement? basis?  0 NON →C11 1 OUI  SI REVENU EST GENERAL, ALLOUER AU CHEF DE MENAGE	C2.10 Combien [MEMBRE] a reçu en moyenne <u>par mois</u> [REVENU EN C2.9] durant les 3 derniers mois?  (EN GOURDES)	C2.11 Est-ce que ce revenu en C9 peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt? Par exemple avec des documents de la banque.  0 NON 1 OUI	C2.12 [MEMBRE] reçoit d'autres revenus comme une pension ou une subvention régulière de l'Etat  0 NON →C14 1 OUI  SI CE REVENU EST GLOBALEMENT REMIS, Veuillez L'ATTRIBUER AU CHEF DE MENAGE	C2.13 Combien [MEMBRE] a reçu en moyenne <u>par mois</u> [REVENU EN C2.12] durant les 3 derniers mois?  (EN GOURDES)	C2.14 Quel est le % de ce revenu en C12 qui peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt? Par exemple avec des documents de la banque.  (EN %)	C2.15 [MEMBRE] reçoit d'autres revenus comme le loyer d'une propriété, intérêts sur l'épargne, bénéfices sur actions?  0 NON →PROCHAIN MEMBRE 1 OUI  SI CE REVENU EST GLOBALEMENT REMIS, Veuillez L'ATTRIBUER AU CHEF DE MENAGE	C2.16 Combien [MEMBRE] a reçu <u>par mois</u> [ REVENU EN C2.15] en moyenne durant les 3 derniers mois?  (EN GOURDES)	C2.17 Quel est le % de ce revenu en C15 qui peut être documenté si un prêteur voulait le confirmer pour octroyer un prêt? Par exemple avec des documents de la banque. (EN %)
	11	12	13	14	15	11	12	13	14
11	11	1111111111	11	11	1111111111	11%	11	1111111111	11%
12	11	1111111111	11	11	1111111111	11%	11	1111111111	11%
13	11	1111111111	11	11	1111111111	11%	11	1111111111	11%
14	11	1111111111	11	11	1111111111	11%	11	1111111111	11%
15	11	1111111111	11	11	1111111111	11%	11	1111111111	11%

## MODULE D. BIENS DURABLES

Maintenant, j'aimerais vous poser quelques questions sur certains appareils ménagers qui pourraient être en votre possession. Je vais d'abord vous demander si votre ménage (tel que constitué aujourd'hui) possède ces appareils (ceux de la liste 1) et ensuite je vous demanderai si les personnes qui pourraient venir se joindre à votre ménage plus tard possèdent ces appareils (ceux de la liste 2).

Now, I'm going to ask you questions about some household appliances that your household might own. I'm first going to ask you if your current household owns these appliances (those from list 1) and then I'll ask you if the people who might come live with your household later own these appliances (those from list 2).

D	Biens / Appareils ménagers / Matériels	D1. Votre ménage tel que constitué aujourd'hui, possède-t-il [APPAREIL MENAGER] ? Veuillez inclure l'appareil ménager seulement s'il fonctionne toujours.	D2. Est-ce que les membres qui feront partie de votre ménage plus tard mais ne vivent pas avec vous en ce moment, possèdent [APPAREIL MENAGER] ? Veuillez inclure l'appareil ménager seulement s'il fonctionne toujours.
		0 NON 1 OUI	0 NON 1 OUI
a)	Fer à repasser électrique <i>Iron</i>	<input type="checkbox"/>	<input type="checkbox"/>
b)	Réfrigérateur <i>Fridge</i>	<input type="checkbox"/>	<input type="checkbox"/>
c)	Télévision	<input type="checkbox"/>	<input type="checkbox"/>
d)	Lecteur DVD ou Vidéo <i>Video/DVD system</i>	<input type="checkbox"/>	<input type="checkbox"/>
e)	Radio ou lecteur de cassette <i>Radio or tape player</i>	<input type="checkbox"/>	<input type="checkbox"/>
f)	Machine à coudre <i>Sewing machine</i>	<input type="checkbox"/>	<input type="checkbox"/>
g)	Bicyclette <i>Bicycle</i>	<input type="checkbox"/>	<input type="checkbox"/>
h)	Téléphone portable <i>Cell phone</i>	<input type="checkbox"/>	<input type="checkbox"/>
i)	Voiture <i>Car</i>	<input type="checkbox"/>	<input type="checkbox"/>
j)	Motocyclette <i>Motorcycle</i>	<input type="checkbox"/>	<input type="checkbox"/>
k)	Cuisinière <i>Stove</i>	<input type="checkbox"/>	<input type="checkbox"/>

## MODULE E. LOGEMENT.

Je vais à présent vous poser quelques questions sur votre logement. Je vous poserai ces questions à propos de votre logement actuel mais aussi à propos de votre logement antérieur ainsi que de votre logement futur. Par « logement futur », je veux dire le logement dans lequel vous pourriez déménager dans l'année à venir, un logement dans lequel votre ménage pourra se permettre d'habiter avec vos revenus (ceux qui ont été décrits plus tôt) tout en ayant assez d'argent pour acheter les autres nécessités journalières. Ce « logement futur » peut être une autre résidence que celle où vous habitez maintenant ou bien une rénovation de votre résidence actuelle.

Now I'm going to ask you questions about your housing. I'll ask you questions about your current housing but also about prior housing and future housing. By « future housing/dwelling », I mean a dwelling to which you could move in the coming year, a dwelling in which your household can afford to live with your revenue (those described earlier) while having sufficient money to buy other daily necessities. This « future dwelling » can be another dwelling/residence than the one where you live now or it can be a renovation of your current dwelling.

*ENQUETEUR : S'IL S'AGIT D'UNE RENOVATION DE LOGEMENT, Veuillez NOTER LES RENOVATIONS QUI SERONT FAITES*

*INTERVIEWER : IF IT'S A RENOVATION OF THE DWELLING, PLEASE NOTE THE NATURE OF THE RENOVATIONS THAT WILL BE DONE.*

E1	ENQUETEUR: NOTER LA LOCALISATION DU LOGEMENT ACTUEL  (NE PAS DEMANDER AU REPONDANT SI EVIDENT)  INTERVIEWER : NOTE THE LOCATION OF THE CURRENT DWELLING (DO NOT ASK IF RESPONSE IS OBVIOUS)	_	1 CAMP OFFICIEL → E8 OFFICIAL CAMP 2 STRUCTURE DANS UNE ZONE RESIDENTIELLE STRUCTURE IN RESIDENTIAL ZONE 3 STRUCTURE SUR UN TERRAIN OU DANS UNE STRUCTURE ORIGINALEMENT DESTINE A D'AUTRES BUTS (NON-RESIDENTIEL) STRUCTURE ON LAND OR IN A NON-RESIDENTIAL BUILDING 9 AUTRE 9 OTHER
E2	Est-ce que votre logement actuel est un logement temporaire ?  Is your current dwelling temporary ?	_	0 NON 1 OUI
E3	Votre logement actuel a-t-il été endommagé par le tremblement de terre?  Was your current dwelling damaged by the earthquake ?	_	0 NON → E8 1 OUI
E4	Quelle a été la nature des dégâts?  What was the nature of the damage ?	_	1 LE TOIT DU LOGEMENT A ETE ENDOMMAGE ROOF WAS DAMAGED 2 LES MURS ONT ETE FISSUREES WALLS CRACKED 3 LE TOIT ET LES MURS ONT ETE ENDOMMAGES ROOF AND WALLS WERE DAMAGED 9 AUTRE
E5	Si E4=1,2,3 ou 4, est-ce que les dégâts ont été réparés?  Was the damage repaired ?	_	0 NON → E7 1 OUI, EN PARTIE YES PARTLY 2 OUI, EN TOTALITE YES COMPLETELY
E6	SI REPARÉ (C'EST-A-DIRE SI E5=1 OU E5=2) Combien les réparations ont-elles couté?  If repaired how much did reparations cost ?	_ _ _ _ _  Gdes	→ E8
E7	SI NON REPARÉ (C'EST-A-DIRE SI E5=0) Combien les réparations couteraient-elles? Vous pouvez donner votre meilleure estimation. If not repaired, how much would reparations cost ? Give your best estimate.	_ _ _ _ _  Gdes	
E8	Comptez-vous changer de logement dans le futur proche, c'est-à-dire dans l'année à venir? Il est possible que vous changez votre logement en rénovant/réparant la résidence actuelle. Si c'est le cas, merci de le préciser.  Do you plan on changing housing in the near future, i.e. in the next year ? It's possible that you change your housing situation by renovating/repairing the current dwelling. In that case, please specify.	_	0 NON, CE LOGEMENT EST SATISFAISANT ETANT DONNE NOS CIRCONSTANCES → NE PAS POSER LES QUESTIONS SUR LE LOGEMENT FUTUR NO THIS DWELLING IS SATISFACTORY GIVEN OUR CIRCUMSTANCES 1 OUI, AUTRE LOGEMENT YES OTHER DWELLING 2 OUI, LOGEMENT ACTUEL REPARÉ/RENOVÉ YES CURRENT DWELLING REPAIRED/RENOVATED
E9	SI RENOVATION DE LOGEMENT ACTUEL Quelles rénovations comptez-vous faire à votre logement actuel? If renovation of current dwelling : What renovations do you plan on doing ?		

**ENQUETEUR : LES QUESTIONS SUIVANTES DOIVENT ETRE POSEES A PROPOS DU LOGEMENT ACTUEL, DU LOGEMENT ANTERIEUR, ET DU LOGEMENT FUTUR. Veuillez modifier les questions en fonction du logement auquel vous vous referez.**

**EXEMPLE :**

- SI LOGEMENT ANTERIEUR "QUEL ETAIT LE TYPE DE VOTRE LOGEMENT ANTERIEUR ?"
- SI LOGEMENT ACTUEL "QUEL EST LE TYPE DE VOTRE LOGEMENT ACTUEL?"
- SI LOGEMENT FUTUR "QUEL SERA LE TYPE DE VOTRE LOGEMENT FUTUR?"

**INTERVIEWER : THE FOLLOWING QUESTIONS HAVE TO BE ASKED ABOUT THE CURRENT DWELLING, THE PRIOR DWELLING AND THE FUTURE DWELLING. PLEASE MODIFY THE QUESTIONS DEPENDING ON THE DWELLING TO WHICH YOU ARE REFERRING.**

**EXAMPLE :**

- IF PRIOR DWELLING, ASK "WHAT WAS THE TYPE OF YOUR PRIOR DWELLING?"
- IF CURRENT DWELLING, ASK "WHAT IS THE TYPE OF YOUR CURRENT DWELLING?"
- IF FUTURE DWELLING, ASK "WHAT WILL THE TYPE OF YOUR CURRENT DWELLING BE?"
- 

Maintenant, je vais vous poser des questions sur votre logement actuel, votre logement antérieur et votre logement futur. Pour les questions à propos de votre logement futur, veuillez me donner votre meilleure estimation même si vous ne savez pas exactement. Si votre logement futur est le logement actuel qui sera réparé/rénové, je vais quand même vous poser ces questions au cas où les rénovations/réparations pourraient changer le statut ou les conditions du logement.

Now I'm going to ask you questions about your current dwelling, your prior dwelling and your future dwelling. For the questions about your future dwelling, please give me your best estimate even if you don't know exactly. If your future dwelling is your current dwelling which will be repaired/renovated, I am still going to ask you the same questions in case the renovations/repairs change the status or conditions of your dwelling.

**ENQUETEUR : POSER TOUTES LES QUESTIONS SUR LE LOGEMENT ACTUEL D'ABORD, ENSUITE TOUTES LES QUESTIONS SUR LE LOGEMENT ANTERIEUR ET ENFIN TOUTES LES QUESTIONS SUR LE LOGEMENT FUTUR. POSER LES QUESTIONS SUR LE LOGEMENT ANTERIEUR, SEULEMENT S'IL A DEMENAGE DURANT LES 18 DERNIERS MOIS.**

**INTERVIEWER : ASK ALL QUESTIONS ABOUT THE CURRENT DWELLING FIRST, THEN ASK ALL QUESTIONS ABOUT THE PRIOR DWELLING, AND FINALLY ALL QUESTIONS ABOUT THE FUTURE DWELLING. ASK QUESTIONS ABOUT THE PRIOR DWELLING ONLY IF HOUSEHOLD HAS MOVED WITHIN THE LAST 18 MONTHS.**

No.	Question	Logement Actuel Current dwelling	Logement Antérieur <i>SI A5=5 OU 6, NE PAS POSER CES QUESTIONS Prior Dwelling If A5=5 or 6, do not ask these questions</i>	Logement Futur <i>SI E8=0, NE PAS POSER CES QUESTIONS Future dwelling If E8=0, do not ask these questions</i>	CODES
E10	Type de logement <i>Type of dwelling</i>	_	_	_	1 KAY ATÈ (TOIT ET MURS CONFONDUS) 2 TAUDIS / AJOUPA SLUMS 3 MAISON ORDINAIRE À 1 NIVEAU ORDINARY HOUSE 1 LEVEL 4 MAISON ORDINAIRE À 2 NIVEAUX OU + ORDINARY HOUSE 2 OR MORE LEVELS 5 APPARTEMENT APARTMENT 6 VILLA 7 MAISON DE TYPE COLONIAL COLONIAL HOUSE 9 AUTRE

No.	Question	Logement Actuel Current dwelling	Logement Antérieur SI A5=5 OU 6, NE PAS POSER CES QUESTIONS <i>Prior Dwelling</i> <i>If A5=5 or 6, do not ask these questions</i>	Logement Futur SI E8=0, NE PAS POSER CES QUESTIONS <i>Future dwelling</i> <i>If E8=0, do not ask these questions</i>	CODES
E11	Superficie (en m <sup>2</sup> ) – exclure les toilettes externes à la résidence  Surface area – exclude external toilets	m <sup>2</sup>	m <sup>2</sup>	m <sup>2</sup>	
E12	Avec quels matériaux a-t-on construit la maison pour...?  With what materials was the house built for...  1. Les murs/walls 2. Le toit/roof 3. Le parquet/floor	  	  	  	11. BÉTON <b>CONCRETE</b> 12. PIERRES, BLOCS <b>STONE</b> 13. BRIQUES <b>BRICKS</b> 14. TERRE <b>SOIL</b> 15. TUILE <b>TILE</b> 16. BOIS, PLANCHES <b>WOOD, PLANKS</b> 17. CHAUME <b>THATCH</b> 18. TÔLE <b>METAL SHEET</b> 19. MOSAÏQUE <b>MOSAIC</b>  20. CÉRAMIQUE 21. TERRE BATTUE <b>CLAY</b> 22. CARTON, PLASTIQUE <b>CARDBOARD, PLASTIC</b> 23. FEUILLES DE <b>PALMIER</b> <b>PALM LEAVES</b> 24. TOILE/CANEVAS, TISSU OU MATERIEL SYNTHETIQUE <b>CLOTH/SYNTHETIC MATERIAL</b> 99. AUTRE
E13	Existe-t-il une route accessible aux voitures conduisant directement à votre logement ?  Is there a road accessible to cars leading directly to your dwelling ?				0 NON, PAS DE ROUTE <b>NO, NO ROAD</b> 1 OUI, ROUTE REVÊTUÉE <b>YES, PAVED ROAD</b> 2 OUI, ROUTE PARTIELLEMENT REVÊTUÉE <b>YES, PARTIALLY PAVED ROAD</b> 3 OUI, ROUTE EN GRAVIERS <b>YES, GRAVEL ROAD</b> 4 ROUTE EN TERRE <b>YES UNPAVED ROAD</b> 9 AUTRE
E14	Combien de pièces compte votre logement ? (Veuillez exclure la cuisine, les toilettes et couloirs, ainsi que les zones louées ou seulement utilisées pour le travail.)  How many rooms does your dwelling have ? (exclude kitchen, toilet, hallways, and zones that are rented out or used only for work)				
E15	Combien de pièces sont utilisées pour dormir ? REmplir même en cas d'une réponse similaire à celle en E14  How many rooms are used for sleeping ? Fill even if answer is same as E14.				
E16	La cuisine est-elle indépendante du reste de votre logement ?  Is the kitchen independent from rest of dwelling ?				0 NON 1 OUI
E17	Votre logement est-il pourvu d'une connexion au réseau de courant électrique ?  Is your dwelling connected to electricity network ?				0 NON → E19 1 OUI

No.	Question	Logement Actuel Current dwelling	Logement Antérieur SI A5=5 OU 6, NE PAS POSER CES QUESTIONS <i>Prior Dwelling</i> <i>If A5=5 or 6, do not ask these questions</i>	Logement Futur SI E8=0, NE PAS POSER CES QUESTIONS <i>Future dwelling</i> <i>If E8=0, do not ask these questions</i>	CODES
E18	Approximativement combien d'heures d'électricité par jour ce réseau vous a-t-il fournies durant les 6 derniers mois?  <i>Approximately how many hours of electricity per day this network supplies in the past 6 months ?</i>	__  (00-24)	__  (00-24)	__  (00-24)	
E19	Avez-vous un générateur ou un onduleur ( <i>inverter</i> ) pour assurer votre approvisionnement en électricité?  <i>Do you have a generator or inverter to guarantee your electricity supply ?</i>	__	__	__	0 NON, RIEN  <i>NO NOTHING</i> 1 OUI, GÉNÉRATEUR 2 OUI, INVERTER 3 OUI, LES DEUX  <i>YES BOTH</i>
E20	Quel est le principal moyen que vous utilisez pour éclairer votre ménage au couche du soleil?  <i>What is the main way you light your household after sunset ?</i>	__	__	__	0 AUCUN  <i>NOTHING</i> 1 AMPOULES ELECTRIQUES  <i>ELECTRIC LIGHTBULBS</i> 2 AMPOULES SOLAIRES  <i>SOLAR LIGHTBULBS</i> 3 BOUGIES  <i>CANDLES</i> 4 LAMPE À PÉTROLE OU À KÉROSÈNE  <i>OIL LAMP</i> 5 LAMPE À GAZ PROPANE  <i>GAS LAMP</i> 6 LAMPE RECHARGEABLE  <i>RECHARGEABLE LAMP</i> 9 AUTRE
E21	Quel est la principale source d'énergie utilisée pour cuisiner chez vous ?  <i>What is the main source of energy for cooking ?</i>	__	__	__	1 GAZ PROPANE  <i>GAZ</i> 2 KÉROSÈNE 3 ELECTRICITÉ 4 CHARBON DE BOIS  <i>COAL</i> 5 BOIS  <i>WOOD</i> 9 AUTRE
E22	Y a-t-il dans votre logement une baignoire et/ou une douche ? <i>SI OUI, POURSUIVRE:</i> Est-elle privée ou partagée avec un autre ménage?  <i>Is there a bathtub/shower in your dwelling ?</i> <i>If yes :</i> <i>Is it private or shared with another household ?</i>	__	__	__	0 NON 1 OUI., PRIVÉE  <i>YES PRIVATE</i> 2 OUI, PARTAGÉE AVEC UN AUTRE MÉNAGE  <i>YES SHARED WITH ANOTHER HOUSEHOLD</i>
E23	Votre logement a-t-il un lieu d'aisance?  <i>Does your dwelling have a toilet ?</i>	__	__	__	0 NON need to add skip pattern 1 OUI, À L'INTÉRIEUR DU LOGEMENT  <i>YES INSIDE THE DWELLING</i> 2 OUI, EN DEHORS DU LOGEMENT  <i>YES OUTSIDE THE DWELLING</i> 3 OUI, PARTAGÉ AVEC UN AUTRE MÉNAGE / LOCATAIRE  <i>YES, SHARED WITH ANOTHER HOUSEHOLD/TENANT</i>

No.	Question	Logement Actuel Current dwelling	Logement Antérieur SI A5=5 OU 6, NE PAS POSER CES QUESTIONS <i>Prior Dwelling</i> <i>If A5=5 or 6, do not ask these questions</i>	Logement Futur SI E8=0, NE PAS POSER CES QUESTIONS <i>Future dwelling</i> <i>If E8=0, do not ask these questions</i>	CODES
E24	Quel genre de toilettes utilisez-vous?  <i>What type of toilet do you use ?</i>	__	__	__	CHASSE D'EAU QUI VA VERS... 11 ...SYSTEME D'EGOUT <b>FLUSH TOILET TO A PIPED SEWER SYSTEM</b> 12 ...FOSSE SEPTIQUE <b>SEPTIC TANK</b> 13 ...LATRINES AVEC FOSSE <b>POUR-FLUSH TO PIT</b> 14 ...AUTRE PART <b>FLUSH GOES ELSEWHERE</b> 15 ...NE SAIT PAS <b>FLUSH GOES... DONT KNOW</b> 16 LATRINES AMELIOREES A FOSSE AUTOVENTILEE <b>VIP LATRINE</b> 17 LATRINE A FOSSE AVEC PLAQUE <b>PIT LATRINE WITH SLAB</b> 18 LATRINE A FOSSE SANS PLAQUE (FOSSE OUVERTE) <b>PIT LATRINE WITHOUT SLAB</b> 19 CUVETTE/SEAU <b>BUCKET LATRINE</b> 20 TOILETTES PUBLIQUES <b>PUBLIC TOILET</b> 99 AUCUNE INSTALLATION <b>NO INSTALLATION</b>
E25	Comment votre ménage se débarrasse-t-il habituellement des ordures ménagères ?  <i>How does your household typically dispose of garbage ?</i>	__	__	__	1 JETEES DANS POUBELLES PUBLIQUES <b>THROWN IN PUBLIC TRASHBINS</b> 2 JETEES DANS POUBELLES PRIVES <b>PRIVATE TRASHBINS</b> 3 JETEES A MEME LES RUES <b>THROWN ON THE STREETS</b> 4 BRÛLÉES <b>BURNED</b> 5 JETÉES SUR TERRAINS VIDES <b>THROWN ON EMPTY LAND</b> 9 ELIMINÉES PAR D'AUTRES MOYENS <b>OTHER MEANS OF ELIMINATION</b>
E26	Quelle est la principale source d'approvisionnement en eau de votre ménage?  <i>What is the main source of water for your household ?</i>	__	__	__	11 ROBINET DANS LE LOGEMENT <b>PIPED WATER INTO A DWELLING</b> 12 ROBINET DANS LA COUR <b>PIPED WATER TO YARD/PLOT</b> 13 ROBINET DANS LE VOISINAGE <b>PIPED WATER IN NEIGHBORHOOD</b> 14 PUITS DANS LA COUR <b>WELL IN YARD</b> 15 PUITS À L'EXTÉRIEUR <b>WELL OUTSIDE (PUBLIC ?)</b> 16 FONTAINE PUBLIQUE <b>PUBLIC TAP/STANDPIPE</b> 17 CAMION CITERNE <b>TANKER-TRUCK</b> 18 ACHAT DE D'EAU EN BOUTEILLE <b>BOTTLED WATER</b> 19 RÉCUPÉRATION EAU DE PLUIE <b>RAINWATER COLLECTION</b> 20 SOURCE, RIVIÈRE <b>SPRING, RIVER</b> 99 AUTRE

No.	Question	Logement Actuel Current dwelling	Logement Antérieur SI A5=5 OU 6, NE PAS POSER CES QUESTIONS <i>Prior Dwelling</i> <i>If A5=5 or 6, do not ask these questions</i>	Logement Futur SI E8=0, NE PAS POSER CES QUESTIONS <i>Future dwelling</i> <i>If E8=0, do not ask these questions</i>	CODES
E27	Cette source fournit-elle un approvisionnement régulier?  This source supplies water regularly ?	__	__	__	0 OUI / PRESQUE JAMAIS DE PROBLÈME <i>YES ALMOST NEVER A PROBLEM</i> 1 DES PROBLÈMES DE TEMPS EN TEMPS <i>PROBLEMS FROM TIME TO TIME</i> 2 DES PROBLÈMES CHAQUE SEMAINE <i>PROBLEMS EVERY WEEK</i> 3 PROBLEMES/COUPURES QUOTIDIENS <i>PROBLEMS/OUTAGES EVERY DAY</i>
E28	Si votre principale source d'approvisionnement en eau vous fait défaut, quelle est votre source secondaire d'approvisionnement en eau?  If your primary source of water fails you, what is your secondary source of water ?	__   __	__   __	__   __	00 AUCUN 11 ROBINET DANS LE LOGEMENT <i>PIPED WATER INTO A DWELLING</i> 12 ROBINET DANS LA COUR <i>PIPED WATER TO YARD/PLOT</i> 13 ROBINET DANS LE VOISINAGE <i>PIPED WATER IN NEIGHBORHOOD</i> 14 PUITS DANS LA COUR <i>WELL IN YARD</i> 15 PUITS À L'EXTÉRIEUR <i>WELL OUTSIDE (PUBLIC ?)</i> 16 FONTAINE PUBLIQUE <i>PUBLIC TAP/STANDPIPE</i> 17 CAMION CITERNE <i>TANKER-TRUCK</i> 18 ACHAT DE D'EAU EN BOUTEILLE <i>BOTTLED WATER</i> 19 RÉCUPÉRATION EAU DE PLUIE <i>RAINWATER COLLECTION</i> 20 SOURCE, RIVIÈRE <i>SPRING, RIVER</i> 99 AUTRE
E29	Quelle est votre principale source d'eau pour boire?  What is your main source of drinking water ?	__	__	__	11 ROBINET DANS LE LOGEMENT <i>PIPED WATER INTO A DWELLING</i> 12 ROBINET DANS LA COUR <i>PIPED WATER TO YARD/PLOT</i> 13 ROBINET DANS LE VOISINAGE <i>PIPED WATER IN NEIGHBORHOOD</i> 14 PUITS DANS LA COUR <i>WELL IN YARD</i> 15 PUITS À L'EXTÉRIEUR <i>WELL OUTSIDE (PUBLIC ?)</i> 16 FONTAINE PUBLIQUE <i>PUBLIC TAP/STANDPIPE</i> 17 CAMION CITERNE <i>TANKER-TRUCK</i> 18 ACHAT DE D'EAU EN BOUTEILLE <i>BOTTLED WATER</i> 19 RÉCUPÉRATION EAU DE PLUIE <i>RAINWATER COLLECTION</i> 20 SOURCE, RIVIÈRE <i>SPRING, RIVER</i> 21 KIOSQUE/VENTE D'EAU POTABLE <i>KIOSK/SALE OF DRINKING WATER</i> 99 AUTRE

No.	Question	Logement Actuel Current dwelling	Logement Antérieur SI A5=5 OU 6, NE PAS POSER CES QUESTIONS Prior Dwelling If A5=5 or 6, do not ask these questions	Logement Futur SI E8=0, NE PAS POSER CES QUESTIONS Future dwelling If E8=0, do not ask these questions	CODES
E30	Est-ce que l'eau de cette source peut être bue sans danger ?  Is the water from this source safe to drink ?				0 NON 1 OUI → E33
E31	A quelle fréquence traitez-vous l'eau de cette source pour la boire ? Est-ce...toujours, la plupart du temps.. ?  How often do you treat the water from this source ? is it ... always, most of the time, from time to time...				1 TOUJOURS ALWAYS 2 LA PLUPART DU TEMPS MOST OF THE TIME 3 DE TEMPS EN TEMPS FROM TIME TO TIME 4 JAMAIS → E33 NEVER
E32	SI E31=4 'JAMAIS' NE PAS POSER E32 → E33  Quelle méthode de traitement utilisez-vous principalement ?  What is your main treatment method ?	 	 	 	1 BOUILLIR BOIL 2 AJOUTER DE LA CHLORINE ADD CHLORINE 3 PASSER A TRAVERS UNE SERVIETTE/TISSU PASS THE WATER THROUGH A CLOTH/TOWEL 4 UTILISER UN FILTRE A EAU (CERAMIQUE, SABLE, COMPOSITE, ETC) USE WATER FILTER (CERAMIC, SAND, COMPOSITE, ETC) 5 LAISSER L'EAU REPOSEE LET WATER STAND 6 DESINFECTION SOLAIRE SOLAR DISINFECTION 9 AUTRE (SPECIFIER) OTHER
E33	Avez-vous au moins un récipient pour stocker de l'eau ou un réservoir?  Do you have at least one container to store water or a reservoir ?				0 NON 1 OUI
E34	Etes-vous propriétaire ou locataire de votre logement?  Do you own or rent your dwelling ?				1 PROPRIÉTAIRE → E34a OWNER 2 LOCATAIRE → E43 RENTER 4 FERMIER → E43 FARMER 9 AUTRE → E44
E34a	SI "PROPRIÉTAIRE , SI E34=1, DEMANDER: Etes-vous aussi propriétaire du terrain ou contrôlez-vous ce terrain?  IF OWNER, ASK : Do you also own the land or control the land ?				0 NON 1 OUI, SUIS AUSSI PROPRIETAIRE DU TERRAIN YES I ALSO OWN THE LAND 2 OUI, J'AI LE CONTROLE DU TERRAIN YES I CONTROL THE LAND
E35	SI PROPRIÉTAIRE, DEMANDER : Quel titre légal ou droit de propriété avez-vous pour ce logement?  If owner, ask : What legal title or property right do you have for this dwelling ?				0 AUCUN 1 ACTE NOTARIÉ NOTARIZED TITLE/ACT 2 REÇU DE VENTE RECEIPT OF SALES 3 OCCUPANT A TITRE GRATUIT LIVING FREE OF CHARGE 9 AUTRE

No.	Question	Logement Actuel Current dwelling	Logement Antérieur SI A5=5 OU 6, NE PAS POSER CES QUESTIONS <i>Prior Dwelling</i> <i>If A5=5 or 6, do not ask these questions</i>	Logement Futur SI E8=0, NE PAS POSER CES QUESTIONS <i>Future dwelling</i> <i>If E8=0, do not ask these questions</i>	CODES
E36	Quel est le montant de l'impôt locatif du logement?  <i>What is the tax on this dwelling ?</i>	Gdes	Gdes	Gdes	
E37	Comment êtes-vous devenu propriétaire de ce logement?  <i>How did you become owner of this dwelling ?</i>  SI "ACHETÉ", DEMANDER: Est-ce que vous ou votre famille vous l'êtes procuré en payant ou gratuitement?  <i>If « bought », ask : Did you or your family obtained it by paying or for free ?</i>				1 BÂTI PAR MÉNAGE-MEME (AVEC AIDE DE FAMILLE ET AMIS) →E45 <b>BUILT BY HOUSEHOLD (WITH HELP FROM FAMILY AND FRIENDS)</b> 2 BÂTI PAR QQN QU'IL A ENGAGÉ <b>BUILT BY SOMEONE HE HIRED</b> 3 ACHEté <b>BOUGHT</b> 4 OBTENU GRATUITEMENT →E45 <b>OBTAINED FOR FREE</b> 5 AUTRE PROVENANCE QUE LA FAMILLE →E45 <b>PROVENANCE OTHER THAN FAMILY</b> 6 EN HÉRITAGE →E45 <b>INHERITED</b> 9 AUTRE →E45
E38	DEMANDER SEULEMENT SI E37=2 OU 3. Comptez-vous financer l'achat/le cout de ce logement ? Cela peut être en total ou en partie.  <i>Do you plan on financing the purchase/cost of this dwelling ? this could be in total or in part.</i>				0 NON →E45 1 OUI
E39	Laquelle des options suivantes décrit le mieux la façon dont vous allez financer l'achat du logement futur? (1. Achat comptant avec de l'argent provenant de mes propres fonds; cela peut inclure des fonds venant de la vente du logement actuel si j'en suis propriétaire. 2 Achat comptant avec l'aide financière de la famille et/ou amis 3 Achat comptant avec l'aide financière de mon employeur 4 Achat avec une combinaison d'acompte et de crédit)  <i>Which of these best describes the way you will finance the purchase of the future dwelling ?</i>  1. 2. 3. 4.				1 Achat comptant avec de l'argent provenant de mes propres fonds; cela peut inclure des fonds venant de la vente du logement actuel si j'en suis propriétaire. 2 Achat comptant avec l'aide financière de la famille et/ou amis 3 Achat comptant avec l'aide financière de mon employeur 4 Achat avec une combinaison d'acompte et de crédit
E40	Quel montant pensez-vous que vous verserez comme acompte ?  <i>How much of a down payment do you think you will make ?</i>			Gdes	

No.	Question	Logement Actuel Current dwelling	Logement Antérieur SI A5=5 OU 6, NE PAS POSER CES QUESTIONS Prior Dwelling If A5=5 or 6, do not ask these questions	Logement Futur SI E8=0, NE PAS POSER CES QUESTIONS Future dwelling If E8=0, do not ask these questions	CODES
E41	<p>Pensez-vous que vous pourrez obtenir un prêt auprès de...:</p> <p>1 Une banque commerciale 2 Un promoteur privé (paiement en plusieurs versements) 3 Une Coopérative 4 Un Prêteur 5 Famille, amis 6 Employeur 7 Institution de micro-finance 9 Autre (Spécifier)</p> <p>SI MICRO-FINANCE → DEMANDER E42 SINON → E45</p> <p>Do you think you will be able to get a loan from...</p> <p>1. commercial bank 2. private developer (installment payments) 3. cooperative 4. money lender 5. family, friends 6. employer 7 MFI</p>			<p>1   2   3   4   5   6   7   9  </p>	<p>0 NON 1 OUI</p>
E42	<p>Si institution de micro-finance, merci de préciser laquelle :</p> <p>PASSER A E45</p> <p>IF MFI, please specify</p>				<p>1 SOGESOL      2 MCN 3 MCC            4 FONKOZE 5 FINCA          6 ACME 9 AUTRE (SPECIFIER) → E45</p>
E43	<p>La personne / institution qui vous loue ou vous permet d'occuper le logement est-elle ... (1 un parent ? 2 l'employeur d'un membre du ménage? 3 une agence gouvernementale ? 4 une institution à but non lucratif (ONG)? 5 une compagnie privée/ un propriétaire terrien ? 9 autre ?)</p> <p>The person/institution that rents the dwelling or allows you to occupy the dwelling is :</p> <p>1. a relative 2. the employer of a household member 3. government agency 5. non-profit/NGO 9 other</p>				<p>1 UN PARENT 2 L'EMPLOYEUR D'UN MEMBRE DU MENAGE 3 UNE AGENCE GOUVERNEMENTALE 4 UNE INSTITUTION A BUT NON LUCRATIF (ONG) 5 UNE COMPAGNIE PRIVEE/ UN PROPRIETAIRE TERRIEN ? 9 AUTRE _____</p>

No.	Question	Logement Actuel Current dwelling	Logement Antérieur SI A5=5 OU 6, NE PAS POSER CES QUESTIONS Prior Dwelling If A5=5 or 6, do not ask these questions	Logement Futur SI E8=0, NE PAS POSER CES QUESTIONS Future dwelling If E8=0, do not ask these questions	CODES
E44	Quel est le <u>loyer mensuel</u> du logement ? <i>SI REPONDANT A UNE SUBVENTION, NOTER LE LOYER INCLUANT LA SUBVENTION</i> SI LOGEMENT OFFERT, NE PAS DEMANDER, ÉCRIRE "00 000".  <i>What is the monthly rent of the dwelling ? IF RESPONDENT HAS A SUBSIDY, WRITE THE RENT INCLUDING THE SUBSIDY</i>  <i>If the dwelling was given, do not ask, write '00000'</i>	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	
E44.a	Obtenez-vous une subvention pour la location de ce logement ?  <i>Do you get a subsidy for renting this dwelling ?</i>	_	_	_	1 OUI, D'UNE ONG <i>YES FROM AN NGO</i> 2 OUI, DU GOUVERNEMENT <i>YES FROM THE GOVERNMENT</i> 3 OUI, D'UNE AUTRE ENTITE <i>YES FROM ANOTHER ENTITY</i> 4 NON ➔ E45
E44.b	Quel est le montant <u>mensuel</u> de la subvention ? <i>What is the monthly amount of the subsidy ?</i>	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	
E45	Combien payez-vous <u>par mois</u> pour : <i>How much do you pay per month for :</i> L'électricité <i>Electricity</i>	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	
E46	L'eau <i>Water</i>	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	
E47	Le combustible/source d'énergie pour cuisiner <i>Fuel/energy for cooking</i>	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	
E48	L'élimination des déchets <i>Garbage disposal</i>	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	
E49	Y a-t-il une autre dépense importante et régulièrement liée à votre logement que je n'ai pas mentionné ? Si oui, veuillez préciser :  _____   Combien payez-vous par mois pour cette dépense ?  <i>Is there another important regular housing-related expense that I did not mention ? If yes, please specify.</i>  <i>How much do you pay per month for this expense ?</i>	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	_ _ _ _ _  Gdes	
E50	Quel est le pourcentage de votre revenu du ménage global que vous dépensez pour toutes ces dépenses de logement ?  <i>What is the percentage of your global revenue that you spend on all those housing expenses ?</i>	_ _  % (% DU MENAGE ACTUEL)	_ _  % (% DU MENAGE ANTERIEUR)	_ _  % (% DU MENAGE RECOMPOSE)	
E51	Quelle est la valeur de ce logement en dollars américains?  <i>What is the value of this dwelling in USD ?</i>	_	_	_	1 ... Moins de 800,000 gdes 2 ... 800,001 - 1,200,000 gdes 3 ... 1,200,001 - 2,000,000 gdes 4 ... 2,000,001 - 3,200,000 gdes 5 ... Plus de 3,200,000 gdes

**MODULE F. HISTORIQUE DE CREDIT**

F1	Avez-vous déjà fait un emprunt d'argent auparavant ?  Have you ever borrowed money before ?	<input type="checkbox"/>	0 NON → MODULE G 1 OUI
F2	Si oui, auprès de qui avez-vous obtenu cet emprunt ?  If yes, from whom did you get this loan ?	<input type="checkbox"/>  <input type="checkbox"/>	1 D'UNE BANQUE LOCALE <a href="#">LOCAL BANK</a> 2 D'UNE BANQUE ETRANGERE <a href="#">FOREIGN BANK</a> 3 D'UNE COOPERATIVE DE CREDIT <a href="#">CREDIT UNION</a> 4 D'UN PARTICULIER <a href="#">INDIVIDUAL</a> 5 D'UNE INSTITUTION DE MICRO-FINANCE <a href="#">MFI</a> 9 AUTRE (SPECIFIER)
F3	<i>SI INSTITUTION DE MICRO-FINANCE:</i> Quelle institution de micro-finance?  If MFI, which MFI ?	<input type="checkbox"/>  <input type="checkbox"/>	1 SOGESOL 2 MCN 3 MCC 4 FONKOZE 5 FINCA 6 ACME 9 AUTRE (SPECIFIER)
F4	Pourquoi avez-vous contracté cet emprunt?  Why did you get this loan ?	<input type="checkbox"/>  <input type="checkbox"/>	1 POUR ACHETER UNE MAISON <a href="#">TO BUY A HOUSE</a> 2 POUR REPARER/RENOVER MA MAISON <a href="#">TO REPAIR/RENOVATE MY HOUSE</a> 3 POUR UNE ENTREPRISE <a href="#">FOR A COMPANY</a> 4 POUR CONSOMMATION GENERALE <a href="#">FOR GENERAL CONSUMPTION</a> 9 AUTRES RAISONS (SPECIFIER)

## MODULE G. DEPENSES DU MENAGE (EN DEHORS DE CELLES POUR LE LOGEMENT)

<p>Maintenant, j'ai quelques questions à propos de vos dépenses (Liste 1) moyennes par mois pour ménage Now, I have some questions about your average monthly household expenses</p>		
<b>G1</b>	Pourriez-vous me donner votre meilleure estimation de la dépense mensuelle pour...: <i>Could you give me your best estimate of the monthly expense for...:</i>	
a.	Nourriture <i>Food</i>	<input type="text"/> Gdes
b.	Transports <i>Transportation</i>	<input type="text"/> Gdes
c.	Education	<input type="text"/> Gdes
d.	Frais de téléphone <i>Phone fees</i>	<input type="text"/> Gdes
e.	Domestiques (Servants) <i>Maids/servants</i>	<input type="text"/> Gdes
f.	Cigarettes	<input type="text"/> Gdes
g.	Loisir <i>Entertainment</i>	<input type="text"/> Gdes
h.	Frais et versements liés aux biens durables (télévision, véhicules, équipements ménagers) <i>Fees/installments related to household permanent goods (TV, vehicles, household appliances)</i>	<input type="text"/> Gdes
i.	Autres dépenses mensuelles (hors dépenses de logement) <i>Other monthly expenses (non housing-expense)</i>	<input type="text"/> Gdes
<p>Pour ces prochaines dépenses, j'aimerais que vous me donnez votre meilleure estimation de ces dépenses pour les <u>12 derniers mois</u> pour le ménage tel que constitué aujourd'hui (Liste 1).</p> <p>For the next expenses, I would like you to be your best estimate for the past 12 months for your current household</p>		
<b>G2</b>	Combien approximativement avez-vous dépensé <u>au total</u> pour les 12 derniers mois pour...:	
a.	Assurance <i>Insurance</i>	<input type="text"/> Gdes
b.	Vêtements, chaussures <i>Clothes, shoes</i>	<input type="text"/> Gdes
c.	Fêtes, cérémonies <i>Parties, ceremonies</i>	<input type="text"/> Gdes

**MODULE H. PROJETS D'AMELIORATION DE LA SITUATION RESIDENTIELLE**

H1	<p>NE PAS DEMANDER SI LE MENAGE COMPTE RESTER DANS LE MEME LOGEMENT (SANS RENOVATION).</p> <p>Nous avons beaucoup parlé de votre logement futur pour l'année à venir. Pensez-vous que ces changements sont réalistes pour votre ménage ?</p> <p><b>DO NOT ASK IF THE HOUSEHOLD PLANS ON STAYING IN THE SAME DWELLING (WITHOUT RENOVATION)</b></p> <p><b>We've talked a lot about your future dwelling. Do you think that these changes are realistic for your household ?</b></p>	<input type="checkbox"/>	0 NON 1 OUI
H2	<p>Si votre ménage a l'opportunité d'améliorer votre situation résidentielle, pensez-vous que votre famille élargie et/ou cercle d'amis qui vivent en dehors de Haïti pourraient vous prêter ou vous donner de l'argent pour le faire ? Je ne parle pas des revenus de transferts que vous auriez pu citer plus tôt.</p> <p><b>If your household has the opportunity to improve your residential situation, do you think that your extended family and/or friends who live outside of Haiti could lend you or give you some money to do it ? I am not talking about the remittances that you might have mentioned earlier.</b></p>	<input type="checkbox"/>	0 NON → FIN DE L'ENTRETIEN 1 OUI
H3	<p>Est-ce qu'ils vous donneraient/préteraient de l'argent plutôt en une fois au début ou bien en plusieurs fois de façon périodique, par exemple de façon mensuelle ?</p> <p><b>Would they give/loan you the money one time at the beginning or rather periodically, for instance every month ?</b></p>	<input type="checkbox"/>	<p>1 UN SEUL PAIEMENT AU DEBUT ONE PAYMENT AT THE BEGINNING</p> <p>2 PLUSIEURS PAIEMENTS DE FACON PERIODIQUE SEVERAL PAYMENTS, PERIODICALLY → H5</p>
H4	<p>SI EN UNE SEULE FOIS/ EN UN SEUL PAIEMENT :</p> <p>Combien pensez-vous qu'ils pourraient vous prêter/donner au total de façon réaliste?</p> <p><b>If one time/one payment :</b></p> <p><b>How much do you think they could loan/give you in total realistically ?</b></p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Gdes	→ H6
H5 a. b. c.	<p>SI ASSISTANCE PERIODIQUE :</p> <p><b>If periodic assistance :</b></p> <p>A quelle fréquence ? <b>At what frequency ?</b></p> <p>Combien pensez-vous qu'ils pourraient vous prêter/donner pour chaque paiement de façon réaliste ? <b>How much do you think they could give/loan you for each payment realistically ?</b></p> <p>Combien de versements pourriez-vous vous attendre à recevoir ? <b>How many payments could you expect to receive ?</b></p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> VERSEMENTS	<p>1 MENSUELLEMENT MONTHLY</p> <p>2 CHAQUE TRIMESTRE EVERY TRIMESTER</p> <p>3 AUTRE (SPECIFIER)</p>
H6	<p>Lorsqu'on a parlé des dépenses pour votre futur logement aux questions E44 à E49 si E8=1 ou 2, sur la différence par rapport aux dépenses pour le logement actuel, pensez-vous recevoir une portion de cet argent des parents éloignés et amis ?</p> <p><b>When we talked about expenses for your future dwelling in questions E44-E49, on the difference compared to expenses for the current dwelling, do you think you would receive a portion of this money from extended relatives and friends ?</b></p>	<input type="checkbox"/>	0 NON 1 OUI

**A LA FIN DE L'INTERVIEW L'ENQUETEUR DOIT REMERCIER LE REPONDANT POUR SA COLLABORATION !!!**

Heure de fin de l'entrevue : \_\_\_\_ : \_\_\_\_

## **ANNEX B. ADDITIONAL TABLES**

The following tables present additional information on the demographics, housing characteristics and expenditures, assets, incomes, and other attributes of the households in the three zones and by the three housing situations (i.e., before the earthquake, current living arrangements, and plans for the future).

**Table B1. Conditions in Each Zone**

	ZONE <sup>a</sup>							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Number of Households</b>		<b>984</b>		<b>662</b>		<b>1719</b>		<b>3365</b>
Average household size for full household <sup>b</sup>	4.93	984	4.75	662	5.08	1719	4.97	3365
Percentage of households with a female head of household	50.8	500	47.7	316	48.9	841	49.2	1657
Percentage of households with members living in a different location	28.4	279	15.4	102	19.2	330	21.1	711
Average number of household members living in a different location	2.08	279	1.89	102	1.97	330	2.00	711
Percentage of households who moved to the current zone in the last 18 months	81.3	800	18.6	123	18.1	311	36.7	1234
Percentage of moves due to earthquake amongst households who moved in the last 18 months	95.9	767	64.5	78	70.0	212	86.4	1057
<b>Reason for Moving after Earthquake</b>								
House completely destroyed	63.5	487	44.9	35	50.0	106	59.4	628
House irreparably damaged	12.8	98	12.8	10	13.2	28	12.9	136
House reparably damaged	14.6	112	12.8	10	18.9	40	15.3	162
Lease expired	5.5	42	6.4	5	3.8	8	5.2	55
No money to pay rent	1.8	14	2.6	2	1.4	3	1.8	19
Living conditions became very bad	1.2	9	12.8	10	10.8	23	4.0	42
Other	.7	5	7.7	6	1.9	4	1.4	15
<b>Percentage with ...</b>								
Any members living elsewhere because there is no space	50.2	140	30.0	30	28.4	93	37.3	263
Any members living elsewhere because there is no food	13.6	38	13.0	13	12.2	40	12.9	91
Any members living elsewhere to occupy another residence for the family	5.7	16	6.0	6	7.0	23	6.4	45
Any members living elsewhere voluntarily	30.1	84	36.0	36	43.4	142	37.1	262
Any members living elsewhere for another reason	15.8	44	37.0	37	25.1	82	23.1	163
Mean income for core household <sup>b</sup> from all sources (HTG)	8102.5	411	19929.6	413	21021.0	1105	18034.9	1929

		ZONE <sup>a</sup>							
		Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
		%	Count	%	Count	%	Count	%	Count
<b>Percent Distribution of Highest Educational Level of Head of Household</b>									
None		16.2	156	13.9	89	17.4	287	16.4	532
Primary education		26.7	257	18.8	121	19.7	325	21.6	703
Secondary education		33.2	320	29.8	191	27.2	448	29.5	959
Rhétorique		13.1	126	12.5	80	12.3	202	12.5	408
Philosophie		6.4	62	12.3	79	11.5	190	10.2	331
Higher studies		4.4	42	12.8	82	11.8	195	9.8	319

<sup>a</sup>Low-income communes are Carrefour and Cité Soleil among the communes listed in A3 of the questionnaire. Middle-income communes are Port-au-Prince, Delmas, Pétion-Ville, and Tabarre.

<sup>b</sup>The core household is the one interviewed. The full household is the core household plus members living elsewhere who are likely to return to the core household when a new unit is found.

**Table B2. Percent Distribution of Highest Education Level of Head of Household by Total Income Decile**

ZONE	DECILE	HIGHEST EDUCATIONAL LEVEL OF HEAD OF HOUSEHOLD					
		None	Primary Education	Secondary Education	Rhétorique	Philosophie	Higher Studies
Temporary Camps	Full Household Income Decile	Lowest 10%	2.3	39.5	39.5	.0	2.3
		Second decile	21.4	19.0	33.3	7.1	4.8
		Third decile	20.0	27.5	30.0	2.5	2.5
		Fourth decile	19.6	10.9	30.4	19.6	13.0
		Fifth decile	9.8	25.5	25.5	11.8	3.9
		Sixth decile	6.9	24.1	37.9	3.4	3.4
		Seventh decile	14.6	19.5	39.0	14.6	2.4
		Eighth decile	5.0	27.5	25.0	15.0	20.0
		Ninth decile	9.1	20.5	38.6	13.6	9.1
		Highest 10%	14.3	16.7	21.4	7.1	7.1
<b>Total</b>		<b>12.4</b>	<b>23.0</b>	<b>31.8</b>	<b>17.5</b>	<b>8.4</b>	<b>6.9</b>

ZONE		DECILE	HIGHEST EDUCATIONAL LEVEL OF HEAD OF HOUSEHOLD					
			None	Primary Education	Secondary Education	Rhétorique	Philosophie	Higher Studies
Lower-Income Communes	Full Household Income Decile	Lowest 10%	7.0	18.6	37.2	7.0	11.6	18.6
		Second decile	10.7	17.9	25.0	10.7	28.6	7.1
		Third decile	15.0	30.0	30.0	10.0	10.0	5.0
		Fourth decile	4.2	14.6	41.7	10.4	14.6	14.6
		Fifth decile	15.2	12.1	33.3	18.2	9.1	12.1
		Sixth decile	11.1	22.2	26.7	8.9	17.8	13.3
		Seventh decile	19.2	9.6	30.8	21.2	7.7	11.5
		Eighth decile	8.8	23.5	29.4	11.8	8.8	17.6
		Ninth decile	22.5	15.0	30.0	12.5	12.5	7.5
		Highest 10%	12.5	25.0	27.5	12.5	10.0	12.5
		<b>Total</b>	<b>12.7</b>	<b>18.6</b>	<b>31.5</b>	<b>12.4</b>	<b>12.7</b>	<b>12.2</b>
Middle-Income Communes	Full Household Income Decile	Lowest 10%	16.8	18.6	27.4	15.0	10.6	11.5
		Second decile	25.6	20.8	22.4	10.4	8.8	12.0
		Third decile	9.4	17.6	25.9	15.3	21.2	10.6
		Fourth decile	27.0	14.0	26.0	9.0	13.0	11.0
		Fifth decile	22.4	17.8	30.8	8.4	9.3	11.2
		Sixth decile	20.9	16.4	25.5	14.5	12.7	10.0
		Seventh decile	15.7	22.5	27.5	8.8	13.7	11.8
		Eighth decile	15.7	22.2	25.0	16.7	11.1	9.3
		Ninth decile	16.7	16.7	29.6	16.7	10.2	10.2
		Highest 10%	17.8	29.0	22.4	11.2	9.3	10.3
		<b>Total</b>	<b>19.1</b>	<b>19.6</b>	<b>26.2</b>	<b>12.6</b>	<b>11.7</b>	<b>10.8</b>
Total	Full Household Income Decile	Lowest 10%	11.6	23.1	32.2	13.6	8.5	11.1
		Second decile	22.6	20.0	25.1	11.3	11.3	9.7
		Third decile	13.3	23.0	27.9	14.5	13.9	7.3
		Fourth decile	19.6	13.4	30.9	11.9	11.9	12.4
		Fifth decile	17.8	18.8	29.8	14.1	9.9	9.4
		Sixth decile	16.3	19.0	27.7	14.7	12.5	9.8
		Seventh decile	16.4	18.5	30.8	12.3	12.3	9.7
		Eighth decile	12.1	23.6	25.8	13.7	11.5	13.2
		Ninth decile	16.1	17.2	31.8	14.1	11.5	9.4
		Highest 10%	15.9	25.4	23.3	16.4	9.0	10.1
		<b>Total</b>	<b>16.2</b>	<b>20.1</b>	<b>28.6</b>	<b>13.6</b>	<b>11.2</b>	<b>10.2</b>

n=418 in camps, 403 in lower-income communes, 1065 in middle-income communes, 1886 total

**Table B3. Labor Force Status**

		ZONE			
		Temporary Camps	Lower- Income Communes	Middle- Income Communes	Total
<b>PANEL A: CORE HOUSEHOLD</b>	Percentage of households with any employed persons	31.90	40.20	52.40	44.00
	Percentage of households with any unemployed persons	75.20	77.60	77.90	77.10
	Percentage of households with any students	37.30	49.10	40.10	41.00
	Percentage of households with any housewives	2.70	6.50	4.20	4.20
	Percentage of households with any persons who cannot work	2.50	2.30	3.50	3.00
	Percentage of households with any retired persons	.30	.90	1.30	1.00
	Percentage of households with any persons with other status (earning income)	16.50	12.50	11.10	13.00
	Percentage of households with any persons with other status (not earning income)	17.40	16.30	11.10	13.90
<b>PANEL B: NON-CORE HOUSEHOLD</b>	Percentage of households with any employed persons	12.50	3.90	4.80	7.70
	Percentage of households with any unemployed persons	66.30	87.30	87.00	78.90
	Percentage of households with any students	21.10	2.90	3.00	10.10
	Percentage of households with any housewives	1.40	1.00	.30	.80
	Percentage of households with any persons who cannot work	2.20	.00	.30	1.00
	Percentage of households with any retired persons	1.80	.00	.30	.80
	Percentage of households with any persons with other status (earning income)	7.90	.00	.30	3.20
	Percentage of households with any persons with other status (not earning income)	5.70	1.00	.90	2.80

n=3365 for core household, 711 for non-core household

**Table B4. Percentage of Households Owning Certain Durables**

	ZONE			
	Temporary Camps	Lower-Income Communes	Middle-Income Communes	Total
Electric iron	34.9	76.1	77.3	64.6
Refrigerator	2.9	31.6	33.6	24.2
Television	31.4	73.6	74.9	61.9
DVD or video player	7.2	28.4	28.7	22.3
Radio or tape player	34.5	59.7	60.6	52.8
Sewing machine	3.4	6.6	10.4	7.6
Bicycle	3.3	10.1	7.7	6.9
Mobile phone	94.3	93.8	93.9	94.0
Car	1.4	11.5	10.9	8.2
Motorcycle	1.5	4.1	3.7	3.1
Stove	2.9	14.4	20.1	13.9

n=3365

**Table B5. Households' Dwellings by Extent of Earthquake Damage**

PANEL A: ALL HOUSEHOLDS	ZONE					
	Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count
<b>Percent of Households ...</b>						
In temporary housing	23.3	154	22.3	383	22.6	537
Living in housing damaged by earthquake	42.1	279	43.2	743	42.9	1022
<b>Type of Damage</b>						
Roof	16.8	47	14.4	107	15.1	154
Walls	60.2	168	61.5	457	61.2	625
Roof and walls	21.5	60	21.9	163	21.8	223
Other	1.4	4	2.2	16	2.0	20
<b>Percent with Damage Partially or Totally Repaired</b>						
No repair	51.6	144	56.4	419	55.1	563
Partially	25.4	71	24.5	182	24.8	253
Fully	22.9	64	19.1	142	20.2	206
<b>Average Cost of Repairs</b>						
	—	124	—	298	—	422
PANEL B: FEMALE-HEADED HOUSEHOLDS ONLY	<b>Percent of Households ...</b>					
	In temporary housing	23.4	74	21.5	181	22.0
	Living in housing damaged by earthquake	43.4	137	43.5	366	43.5
<b>Type of Damage</b>						
Roof	16.1	22	14.8	54	15.1	76
Walls	64.2	88	62.0	227	62.6	315
Roof and walls	18.2	25	21.0	77	20.3	102
Other	1.5	2	2.2	8	2.0	10
<b>Percent with Damage Partially or Totally Repaired</b>						
No repair	48.2	66	56.6	207	54.3	273
Partially	24.8	34	25.1	92	25.0	126
Fully	27.0	37	18.3	67	20.7	104
<b>Average Cost of Repairs</b>						
	—	68	—	147	—	215

n=2381 for all households, 1157 for female-headed households

**Table B6a. Basic Dwelling Characteristics: Panel A: All Households**

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Type of Dwelling</b>								
Kay atè (combined walls and ceiling)	9.9	97	2.3	15	3.2	55	5.0	167
Slum	49.9	491	4.7	31	4.5	77	17.8	599
One-story house	.0	0	59.2	391	62.0	1066	43.3	1457
2+ story house	.0	0	22.7	150	19.1	328	14.2	478
Apartment	.0	0	7.3	48	7.4	128	5.2	176
Other	40.2	396	3.8	25	3.8	65	14.5	486
<b>Floor Area (m<sup>2</sup>)</b>								
	13.21	818	31.84	662	31.29	1719	26.78	3199
<b>Number of Rooms</b>								
	1.20	958	2.92	662	2.87	1719	2.40	3339
<b>Persons per Room</b>								
< 1	.6	6	19.2	127	15.2	262	11.8	395
1-2	4.6	44	31.9	211	30.5	524	23.3	779
2-3	9.7	93	16.3	108	18.2	312	15.4	513
3-4	21.4	205	10.7	71	11.4	196	14.1	472
> 4	63.7	610	21.9	145	24.7	425	35.3	1180
<b>Number of Bedrooms</b>								
	1.10	958	1.77	662	1.78	1719	1.59	3339
<b>Wall Material</b>								
Concrete	1.6	15	14.8	98	13.9	239	10.6	352
Stone	4.0	38	75.7	501	78.7	1353	57.0	1892
Wood	9.0	85	5.3	35	4.2	73	5.8	193
Sheet metal	8.4	79	1.8	12	1.0	17	3.3	108
Plastic/cardboard	48.4	455	.2	1	.3	6	13.9	462
Cloth/canvas, fabric, or synthetic materials	6.8	64	.2	1	.2	4	2.1	69
Other	21.7	204	2.1	14	1.6	27	7.4	245

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Roof Material</b>								
Concrete	4.1	39	53.8	356	53.8	925	39.7	1320
Stone	.4	4	1.8	12	1.7	29	1.4	45
Sheet metal	13.1	124	42.0	278	42.4	728	34.0	1130
Plastic/cardboard	49.1	464	.5	3	.5	9	14.3	476
Cloth/canvas, fabric, or synthetic materials	7.1	67	.2	1	.4	7	2.3	75
Other	26.1	247	1.8	12	1.2	21	8.4	280
<b>Floor Material</b>								
Concrete	9.8	91	54.8	363	51.8	890	40.6	1344
Stone	1.0	9	1.1	7	1.7	30	1.4	46
Earth	46.5	434	5.3	35	4.2	72	16.3	541
Mosaic	.6	6	12.2	81	13.4	230	9.6	317
Ceramic	2.5	23	12.5	83	13.0	223	9.9	329
Clay	7.6	71	3.3	22	3.9	67	4.8	160
Plastic/cardboard	13.1	122	.0	0	.0	0	3.7	122
Other	19.0	177	10.7	71	12.0	207	13.7	455
<b>Proportion with Separate Kitchen</b>								
	53.2	501	53.3	353	57.1	982	55.3	1836
<b>Proportion with Electricity</b>								
	34.1	330	82.9	549	82.7	1422	68.7	2301
<b>Hours of Electricity per Day</b>								
< 4	11.0	35	7.3	39	5.9	83	7.0	157
4 - 8	30.4	97	28.4	152	30.4	427	29.9	676
8 - 12	26.3	84	34.8	186	32.7	459	32.3	729
> 12	32.3	103	29.5	158	31.0	435	30.8	696
<b>Ownership of Generator or Inverter</b>								
None	97.5	940	89.9	595	87.1	1498	90.7	3033
Generator	.9	9	3.6	24	4.4	75	3.2	108
Inverter	.9	9	5.1	34	6.7	115	4.7	158
Generator and inverter	.6	6	1.4	9	1.8	31	1.4	46

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Light Source</b>								
None	.7	7	1.4	9	1.5	25	1.2	41
Electric lights	8.2	80	24.2	160	25.7	441	20.3	681
Solar lights	2.0	20	2.7	18	2.1	36	2.2	74
Candles	54.0	530	35.2	233	31.9	549	39.0	1312
Petrol or kerosene lamp	24.1	236	31.9	211	34.0	584	30.7	1031
Rechargeable lamp	9.0	88	2.4	16	2.4	42	4.3	146
Other	2.0	20	2.3	15	2.4	42	2.3	77
<b>Source of Cooking Heat</b>								
Propane gas	1.1	11	11.6	77	12.0	206	8.8	294
Kerosene	2.9	28	3.0	20	4.3	74	3.6	122
Charcoal	93.2	907	82.3	545	81.1	1394	84.9	2846
Other	2.8	27	3.0	20	2.6	45	2.7	92
<b>Possession of Bath or Shower</b>								
None	68.5	657	32.0	208	28.9	493	41.0	1358
Private bath/shower	4.1	39	52.3	340	53.0	903	38.7	1282
Shared with another household	27.4	263	15.7	102	18.1	309	20.3	674
<b>Possession of Toilet</b>								
None	24.8	242	8.6	57	8.4	144	13.2	443
Inside dwelling	4.3	42	37.9	251	40.1	689	29.2	982
Outside dwelling	13.9	136	39.9	264	36.6	630	30.7	1030
Shared with another household	57.0	557	13.6	90	14.9	256	26.9	903
<b>Type of Toilet</b>								
Flushes to sewer	.4	4	1.5	10	2.9	49	1.9	63
Flushes to septic tank	3.3	32	22.4	148	22.1	380	16.8	560
Flushes to pit latrine	3.5	34	30.2	200	28.9	496	21.8	730
Flushes to unknown location	.4	4	1.5	10	2.0	34	1.4	48
Self-cooling improved pit latrine	5.8	56	15.7	104	15.6	269	12.8	429
Covered pit latrine	9.4	90	19.0	126	19.3	332	16.4	548
Uncovered pit latrine (open pit)	1.6	15	3.9	26	3.8	66	3.2	107
Public toilet	69.5	667	1.4	9	1.5	26	21.0	702
None	6.0	58	4.4	29	3.9	67	4.6	154

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Method of Garbage Disposal</b>								
Public trash bins	64.9	633	50.3	333	49.9	858	54.3	1824
Private trash bins	4.2	41	4.7	31	4.6	79	4.5	151
Thrown into the street	9.9	97	5.9	39	4.7	81	6.5	217
Burned	5.5	54	6.9	46	7.4	128	6.8	228
Thrown onto empty land	12.4	121	6.0	40	5.1	87	7.4	248
Thrown into ravines	.0	0	21.0	139	21.9	377	15.4	516
Other	3.1	30	5.1	34	6.3	109	5.2	173
<b>Primary Water Source</b>								
Piped into dwelling	4.7	46	19.5	129	19.9	342	15.4	517
Piped into courtyard	5.6	55	10.3	68	13.3	229	10.5	352
Piped into neighborhood	15.3	150	28.1	186	27.1	465	23.8	801
Well in yard	.7	7	4.5	30	4.2	73	3.3	110
Well outside the dwelling	1.6	16	6.8	45	5.5	95	4.6	156
Public standpipe	33.7	331	7.4	49	6.9	119	14.8	499
Tanker truck	24.0	235	16.3	108	14.9	256	17.8	599
Bottled water	7.4	73	2.6	17	3.1	54	4.3	144
Rainwater collection	.2	2	2.7	18	2.0	35	1.6	55
Spring or river	2.5	25	.0	0	.2	3	.8	28
Other	4.2	41	1.8	12	2.8	48	3.0	101
<b>Water Reliability</b>								
Almost never a problem	55.5	543	56.1	371	56.6	973	56.2	1887
Problems from time to time	33.7	330	37.4	247	35.6	612	35.4	1189
Problems every week	4.5	44	4.8	32	5.9	102	5.3	178
Problems/outages every day	6.2	61	1.7	11	1.8	31	3.1	103
<b>Secondary Water Source</b>								
None	19.3	188	9.7	64	9.8	168	12.5	420
Piped into dwelling	.1	1	1.7	11	1.2	21	1.0	33
Piped into courtyard	1.4	14	1.5	10	1.5	25	1.5	49
Piped into neighborhood	15.7	153	16.9	112	20.0	344	18.2	609
Well in yard	.4	4	2.0	13	2.1	36	1.6	53
Well outside the dwelling	2.8	27	7.4	49	6.7	116	5.7	192

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Secondary Water Source (Cont.)</b>								
Public standpipe	7.3	71	8.8	58	9.8	168	8.9	297
Tanker truck	21.7	211	23.0	152	20.5	353	21.3	716
Bottled water	11.5	112	9.2	61	7.9	135	9.2	308
Rainwater collection	5.5	54	4.7	31	3.6	62	4.4	147
Spring or river	3.7	36	1.5	10	2.4	41	2.6	87
Other	10.5	102	13.7	91	14.5	250	13.2	443
<b>Source of Drinking Water</b>								
Piped into dwelling	2.9	28	3.3	22	5.1	88	4.1	138
Piped into courtyard	1.8	18	3.5	23	3.0	52	2.8	93
Piped into neighborhood	7.2	71	10.0	66	8.4	144	8.4	281
Public standpipe	6.9	68	1.4	9	1.7	29	3.2	106
Tanker truck	5.8	57	2.3	15	2.0	34	3.2	106
Bottled water	23.3	229	24.3	160	30.7	525	27.3	914
Spring or river	1.7	17	.0	0	.2	4	.6	21
Kiosk / water seller	46.8	460	49.4	325	46.5	796	47.2	1581
Other	3.5	34	5.8	38	2.3	40	3.3	112
<b>Proportion with Safe Drinking Water</b>								
	62.8	610	67.3	443	69.5	1192	67.1	2245
<b>Frequency of Water Treatment</b>								
Always	90.7	331	86.1	192	87.8	476	88.4	999
Most of the time	4.9	18	7.2	16	6.8	37	6.3	71
Sometimes	4.4	16	6.7	15	5.4	29	5.3	60
<b>Water Treatment Method</b>								
Boiling	1.7	6	6.0	13	5.5	29	4.3	48
Add chlorine	86.9	313	88.0	191	88.7	470	88.0	974
Water filter	1.4	5	.9	2	.8	4	1.0	11
Solar disinfection	7.8	28	4.1	9	4.2	22	5.3	59
Other	2.2	8	.9	2	.9	5	1.4	15

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Type of Car Access</b>								
None	55.2	530	33.5	222	31.4	539	38.6	1291
Paved road	22.9	220	37.5	248	37.1	637	33.1	1105
Partially paved road	10.1	97	11.8	78	12.3	212	11.6	387
Gravel road	3.4	33	5.7	38	6.6	114	5.5	185
Unpaved road	8.3	80	11.0	73	12.3	211	10.9	364
Other	.1	1	.5	3	.3	6	.3	10

**Table B6b. Basic Dwelling Characteristics: Panel B: Female-Headed Households Only**

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Type of Dwelling</b>								
Kay atè (combined walls and ceiling)	9.8	49	2.5	8	2.5	21	4.7	78
Slum	52.4	262	6.1	19	4.6	39	19.3	320
One-story house	.0	0	57.3	180	64.8	545	43.8	725
2+ story house	.0	0	23.2	73	17.7	149	13.4	222
Apartment	.0	0	7.3	23	6.5	55	4.7	78
Other	37.8	189	3.5	11	3.8	32	14.0	232
<b>Floor Area (m2)</b>								
	12.78	419	30.40	316	31.02	841	26.05	1576
<b>Number of Rooms</b>								
	1.16	489	2.80	316	2.90	841	2.36	1646
<b>Persons per Room</b>								
< 1	.4	2	16.5	52	15.8	133	11.4	187
1-2	5.1	25	32.6	103	29.3	246	22.7	374
2-3	9.6	47	17.4	55	18.7	157	15.7	259
3-4	22.1	108	10.4	33	11.5	97	14.5	238
> 4	62.8	307	23.1	73	24.7	208	35.7	588
<b>Number of Bedrooms</b>								
	1.09	489	1.71	316	1.81	841	1.58	1646

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Wall Material</b>								
Concrete	2.3	11	14.9	47	13.6	114	10.6	172
Stone	3.6	17	73.7	233	78.2	658	55.7	908
Wood	8.9	42	5.1	16	4.9	41	6.1	99
Sheet metal	10.2	48	2.5	8	1.2	10	4.1	66
Plastic/cardboard	48.9	231	.3	1	.1	1	14.3	233
Cloth/canvas, fabric, or synthetic materials	5.3	25	.0	0	.4	3	1.7	28
Other	20.8	98	3.5	11	1.7	14	7.6	123
<b>Roof Material</b>								
Concrete	4.6	22	54.4	172	53.0	446	39.2	640
Stone	.2	1	1.9	6	2.0	17	1.5	24
Sheet metal	14.3	68	40.2	127	43.4	365	34.3	560
Plastic/cardboard	49.4	235	.9	3	.4	3	14.8	241
Cloth/canvas, fabric, or synthetic materials	4.8	23	.3	1	.2	2	1.6	26
Other	26.7	127	2.2	7	1.0	8	8.7	142
<b>Floor Material</b>								
Concrete	10.6	50	53.8	170	51.2	431	40.0	651
Stone	1.1	5	.9	3	2.0	17	1.5	25
Earth	47.2	222	7.0	22	3.7	31	16.9	275
Mosaic	.4	2	13.6	43	14.0	118	10.0	163
Ceramic	1.9	9	12.0	38	13.2	111	9.7	158
Clay	8.9	42	2.5	8	4.8	40	5.5	90
Plastic/cardboard	11.5	54	.0	0	.0	0	3.3	54
Other	18.3	86	10.1	32	11.1	93	13.0	211
<b>Proportion with Separate Kitchen</b>								
	52.6	254	54.7	173	57.4	483	55.5	910
<b>Proportion with Electricity</b>								
	30.7	152	81.3	257	83.1	699	67.1	1108

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Hours of Electricity per Day</b>								
< 4	12.7	19	8.8	22	7.0	48	8.2	89
4-8	26.0	39	29.1	73	30.3	209	29.4	321
8-12	28.7	43	34.3	86	29.9	206	30.7	335
> 12	32.7	49	27.9	70	32.9	227	31.7	346
<b>Ownership of Generator or Inverter</b>								
None	98.4	484	90.8	287	86.7	729	91.0	1500
Generator	.6	3	3.5	11	3.8	32	2.8	46
Inverter	.6	3	4.1	13	7.6	64	4.9	80
Generator and inverter	.4	2	1.6	5	1.9	16	1.4	23
<b>Light Source</b>								
None	.6	3	2.2	7	1.3	11	1.3	21
Electric lights	5.6	28	24.1	76	26.9	226	19.9	330
Solar lights	2.2	11	2.8	9	2.4	20	2.4	40
Candles	52.6	263	37.3	118	31.3	263	38.9	644
Petrol or kerosene lamp	27.6	138	28.8	91	33.2	279	30.7	508
Rechargeable lamp	9.6	48	3.2	10	2.6	22	4.8	80
Other	1.8	9	1.6	5	2.4	20	2.1	34
<b>Source of Cooking Heat</b>								
Propane gas	.8	4	11.7	37	11.3	95	8.2	136
Kerosene	2.8	14	3.5	11	4.3	36	3.7	61
Charcoal	93.8	466	81.6	258	81.3	684	85.1	1408
Other	2.6	13	3.2	10	3.1	26	3.0	49
<b>Possession of Bath or Shower</b>								
None	71.5	349	33.3	103	28.5	238	42.3	690
Private bath/shower	3.9	19	51.8	160	52.6	439	37.9	618
Shared with another household	24.6	120	14.9	46	18.8	157	19.8	323
<b>Possession of Toilet</b>								
None	26.5	132	8.9	28	8.6	72	14.0	232
Inside dwelling	4.4	22	38.6	122	39.8	335	28.9	479
Outside dwelling	13.9	69	39.9	126	36.6	308	30.4	503
Shared with another household	55.2	275	12.7	40	15.0	126	26.6	441

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Type of Toilet</b>								
Flushes to sewer	.6	3	1.9	6	2.9	24	2.0	33
Flushes to septic tank	2.7	13	23.7	75	22.1	186	16.6	274
Flushes to pit latrine	4.1	20	29.1	92	30.9	260	22.6	372
Flushes to unknown location	.0	0	.3	1	1.7	14	.9	15
Self-cooling improved pit latrine	6.1	30	14.6	46	14.7	124	12.2	200
Covered pit latrine	9.6	47	18.4	58	17.5	147	15.3	252
Uncovered pit latrine (open pit)	2.0	10	4.7	15	4.2	35	3.6	60
Public toilet	68.9	337	.9	3	2.0	17	21.7	357
None	5.9	29	6.3	20	4.0	34	5.0	83
<b>Method of Garbage Disposal</b>								
Public trash bins	64.5	321	49.1	155	49.9	420	54.1	896
Private trash bins	4.6	23	3.5	11	4.0	34	4.1	68
Thrown into the street	9.2	46	6.6	21	5.5	46	6.8	113
Burned	5.6	28	8.5	27	8.8	74	7.8	129
Thrown onto empty land	12.4	62	5.1	16	4.6	39	7.1	117
Thrown into ravines	.0	0	21.8	69	21.0	177	14.9	246
Other	3.6	18	5.4	17	6.1	51	5.2	86
<b>Primary Water Source</b>								
Piped into dwelling	5.6	28	18.0	57	18.8	158	14.7	243
Piped into courtyard	5.8	29	10.1	32	15.1	127	11.3	188
Piped into neighborhood	13.2	66	29.7	94	26.9	226	23.3	386
Well in yard	1.2	6	5.1	16	4.9	41	3.8	63
Well outside the dwelling	1.6	8	6.6	21	5.4	45	4.5	74
Public standpipe	30.6	153	7.6	24	5.9	50	13.7	227
Tanker truck	25.4	127	13.3	42	13.8	116	17.2	285
Bottled water	8.6	43	3.2	10	3.4	29	4.9	82
Rainwater collection	.2	1	3.8	12	2.4	20	2.0	33
Spring or river	3.0	15	.0	0	.2	2	1.0	17
Other	4.8	24	2.5	8	3.2	27	3.6	59

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Water Reliability</b>								
Almost never a problem	57.7	286	53.3	168	56.9	478	56.5	932
Problems from time to time	31.9	158	39.4	124	35.2	296	35.0	578
Problems every week	4.6	23	5.1	16	6.0	50	5.4	89
Problems/outages every day	5.8	29	2.2	7	1.9	16	3.1	52
<b>Secondary Water Source</b>								
None	17.7	88	10.1	32	7.8	66	11.2	186
Piped into dwelling	.2	1	1.6	5	1.3	11	1.0	17
Piped into courtyard	1.6	8	2.5	8	1.3	11	1.6	27
Piped into neighborhood	13.7	68	15.8	50	21.2	178	17.9	296
Well in yard	.4	2	2.5	8	3.0	25	2.1	35
Well outside the dwelling	3.2	16	7.3	23	6.3	53	5.6	92
Public standpipe	7.0	35	8.9	28	9.8	82	8.8	145
Tanker truck	24.5	122	21.8	69	20.2	170	21.8	361
Bottled water	11.9	59	9.5	30	8.6	72	9.7	161
Rainwater collection	5.4	27	5.4	17	4.0	34	4.7	78
Spring or river	4.8	24	1.6	5	2.6	22	3.1	51
Other	9.5	47	13.0	41	13.9	117	12.4	205
<b>Source of Drinking Water</b>								
Piped into dwelling	3.4	17	3.2	10	4.1	34	3.7	61
Piped into courtyard	2.0	10	3.2	10	3.5	29	3.0	49
Piped into neighborhood	6.2	31	12.4	39	8.5	71	8.5	141
Public standpipe	6.6	33	1.6	5	1.4	12	3.0	50
Tanker truck	6.2	31	1.6	5	2.5	21	3.5	57
Bottled water	20.6	103	22.6	71	33.2	278	27.4	452
Spring or river	2.2	11	.0	0	.5	4	.9	15
Kiosk / water seller	48.3	241	47.8	150	44.0	368	46.0	759
Other	4.4	22	7.6	24	2.4	20	4.0	66

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Proportion with safe Drinking Water</b>	63.8	315	63.1	198	69.6	583	66.6	1096
<b>Frequency of Water Treatment</b>								
Always	92.3	169	87.3	103	88.2	232	89.4	504
Most of the time	2.2	4	5.9	7	7.2	19	5.3	30
Sometimes	5.5	10	6.8	8	4.6	12	5.3	30
<b>Water treatment Method</b>								
Boiling	2.2	4	7.0	8	5.4	14	4.7	26
Add chlorine	86.7	156	90.4	104	87.6	227	87.9	487
Water filter	1.7	3	1.7	2	.8	2	1.3	7
Solar disinfection	6.1	11	.9	1	4.6	12	4.3	24
Other	3.3	6	.0	0	1.5	4	1.8	10
<b>Type of Car Access</b>								
None	53.9	265	35.4	112	31.9	268	39.1	645
Paved road	24.0	118	36.1	114	38.3	322	33.6	554
Partially paved road	11.6	57	12.0	38	10.9	92	11.3	187
Gravel road	2.8	14	6.6	21	6.1	51	5.2	86
Unpaved road	7.7	38	9.5	30	12.6	106	10.6	174
Other	.0	0	.3	1	.2	2	.2	3

n=3365 for all households, 1657 for female-headed households

**Table B7a. Tenure and Housing Expenditures: Panel A: All Households**

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Tenure</b>								
Owner	25.1	247	26.4	175	50.4	866	38.3	1288
Renter	74.2	730	47.9	317	43.8	753	53.5	1800
Farmer	.5	5	.0	0	2.6	44	1.5	49
Other	.2	2	25.7	170	3.3	56	6.8	228
<b>OWNERS</b>								
<b>Land Ownership</b>								
No	90.6	213	9.7	17	8.4	73	23.7	303
Owns the land	7.2	17	70.9	124	76.0	658	62.6	799
Controls the land	2.1	5	19.4	34	15.6	135	13.6	174
<b>Proof of Ownership</b>								
None	87.2	204	22.3	39	13.9	120	28.5	363
Notarized title	6.4	15	56.6	99	66.3	574	54.0	688
Sales receipt	.4	1	9.7	17	11.8	102	9.4	120
Living free of charge	5.1	12	4.6	8	4.4	38	4.5	58
Other	.9	2	6.9	12	3.7	32	3.6	46
<b>Basis of Ownership</b>								
Household built dwelling w/ help from family/friends	35.9	65	31.7	52	26.5	225	28.6	342
Built by someone hired	.0	0	3.0	5	4.1	35	3.4	40
Purchased	1.7	3	32.3	53	34.4	292	29.1	348
Obtained for free	45.9	83	3.0	5	4.4	37	10.5	125
Provenance other than family	.0	0	1.2	2	3.1	26	2.3	28
Inherited	1.7	3	15.9	26	20.0	170	16.7	199
Other	14.9	27	12.8	21	7.5	64	9.4	112
<b>Monthly Cost of ....</b>								
Electricity	51.99	226	207.03	169	403.80	804	309.75	1199
Water	211.15	240	625.84	167	649.34	822	560.58	1229
Cooking Fuel	760.89	240	706.49	168	783.77	832	768.87	1240
Garbage disposal	4.66	238	19.43	167	69.15	800	49.52	1205

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Dwelling Value in U.S. Dollars</b>								
< \$20,000	95.3	181	54.5	91	29.2	234	43.7	506
\$20,001-\$30,000	3.7	7	29.9	50	16.9	135	16.6	192
\$30,001-\$50,000	.0	0	6.6	11	15.4	123	11.6	134
\$50,001-\$80,000	1.1	2	4.2	7	17.7	142	13.0	151
> \$80,000	.0	0	4.8	8	20.8	167	15.1	175
<b>RENTERS</b>								
<b>Landlord</b>								
A relative	-	-	2.5	8	9.7	77	7.7	88
Employer of a household member	-	-	38.5	122	48.3	385	46.1	530
Governmental agency	-	-	.0	0	.0	0	.0	0
NGO	-	-	.0	0	.4	3	.3	4
Private company / landowner	-	-	.0	0	.4	3	.3	3
Other	-	-	59.0	187	41.3	329	45.6	524
<b>Monthly Rent (Including Subsidy)</b>								
	302.36	217	3613.89	226	4331.00	592	3329.76	1035

**Table B7b. Tenure and Housing Expenditures: Panel B: Female-Headed Households Only**

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Tenure</b>								
Owner	25.4	127	21.2	67	49.7	418	36.9	612
Renter	73.8	369	53.5	169	45.1	379	55.3	917
Farmer	.6	3	.0	0	2.3	19	1.3	22
Other	.2	1	25.3	80	3.0	25	6.4	106
<b>OWNERS</b>								
<b>Land ownership</b>								
No	92.5	111	11.9	8	7.7	32	25.0	151
Owns the land	3.3	4	59.7	40	75.8	317	59.7	361
Controls the land	4.2	5	28.4	19	16.5	69	15.4	93
<b>Proof of Ownership</b>								
None	88.4	107	23.9	16	15.3	64	30.9	187
Notarized title	3.3	4	50.7	34	64.6	270	50.8	308
Sales receipt	.8	1	11.9	8	13.6	57	10.9	66
Living free of charge	5.8	7	1.5	1	3.3	14	3.6	22
Other	1.7	2	11.9	8	3.1	13	3.8	23
<b>Basis of Ownership</b>								
Household built dwelling w/ help from family/friends	40.4	40	34.9	22	27.0	111	30.2	173
Built by someone hired	.0	0	1.6	1	4.9	20	3.7	21
Purchased	.0	0	28.6	18	35.0	144	28.3	162
Obtained for free	45.5	45	4.8	3	2.9	12	10.5	60
Provenance other than family	.0	0	1.6	1	3.2	13	2.4	14
Inherited	2.0	2	12.7	8	19.0	78	15.4	88
Other	12.1	12	15.9	10	8.0	33	9.6	55
<b>Monthly cost of ....</b>								
Electricity	25.25	120	223.63	64	446.40	388	333.12	572
Water	220.48	124	662.27	62	660.45	400	567.55	586
Cooking Fuel	774.35	123	679.77	64	773.74	402	763.66	589
Garbage disposal	8.35	121	15.55	64	69.04	385	50.15	570

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
<b>Dwelling Value in U.S. Dollars</b>								
< \$20,000	94.1	95	62.9	39	30.6	120	45.8	254
\$20,001-\$30,000	5.9	6	24.2	15	16.6	65	15.5	86
\$30,001-\$50,000	.0	0	8.1	5	14.3	56	11.0	61
\$50,001-\$80,000	.0	0	3.2	2	16.1	63	11.7	65
> \$80,000	.0	0	1.6	1	22.4	88	16.0	89
<b>RENTERS</b>								
<b>Landlord</b>								
A relative	-	-	1.8	3	10.6	42	8.0	47
Employer of a household member	-	-	33.7	57	48.2	192	44.4	260
Governmental agency	-	-	.0	0	.0	0	.0	0
NGO	-	-	.0	0	.3	1	.2	1
Private company / landowner	-	-	.0	0	.0	0	.0	0
Other	-	-	64.5	109	41.0	163	47.4	278
<b>Monthly rent (Including Subsidy)</b>								
	292.43	113	3525.02	122	3712.27	282	2920.62	517

**Table B8. Household Expenditures**

		ZONE							
		Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
		Mean	Count	Mean	Count	Mean	Count	Mean	Count
<b>PANEL A: OWNERS ONLY</b>	Sum of all non-housing expenditures per month	11039.23	247	16334.86	171	17642.59	860	16191.37	1278
	<b>Monthly Cost of ...</b>								
	Electricity	51.99	226	207.03	169	403.80	804	309.75	1199
	Water	211.15	240	625.84	167	649.34	822	560.58	1229
	Cooking fuel	760.89	240	706.49	168	783.77	832	768.87	1240
	Garbage disposal	4.66	238	19.43	167	69.15	800	49.52	1205
	<b>Dwelling Value in U.S. Dollars</b>								
	< \$20,000	95.3	181	54.5	91	29.2	234	43.7	506
	\$20,001-\$30,000	3.7	7	29.9	50	16.9	135	16.6	192
	\$30,001-\$50,000	.0	0	6.6	11	15.4	123	11.6	134
<b>PANEL B: RENTERS ONLY</b>	\$50,001-\$80,000	1.1	2	4.2	7	17.7	142	13.0	151
	> \$80,000	.0	0	4.8	8	20.8	167	15.1	175
	<b>Total Expenditures</b>								
		12038.38	247	17505.39	175	19479.79	866	17784.49	1288
	Sum of all non-housing expenditures per month	10270.67	735	14802.82	316	15808.60	791	13426.29	1842
	Monthly rent (including subsidy)	302.36	217	3613.89	226	4331.00	592	3329.76	1035
	<b>Source of Rent Subsidy</b>								
	From NGO	1.0	7	.9	3	.8	6	.9	16
	From the government	.1	1	.3	1	.0	0	.1	2
	From another entity	.1	1	7.3	23	5.8	46	3.8	70
	None	98.8	725	91.5	290	93.5	745	95.2	1760
	<b>Monthly Subsidy</b>								
		1375.00	4	2279.46	24	10504.98	47	7385.88	75
	<b>Monthly Cost of ..</b>								
	Electricity	49.43	637	209.52	292	301.36	739	189.07	1668
	Water	230.06	709	362.26	297	626.03	750	421.54	1756
	Cooking fuel	748.61	710	754.05	296	772.16	759	759.65	1765
	Garbage Disposal	5.22	669	30.32	296	42.45	739	25.73	1704
	<b>Dwelling Value in U.S. Dollars</b>								
	< \$20,000	93.9	324	61.4	151	38.3	246	58.4	721
	\$20,001-\$30,000	3.5	12	17.5	43	19.4	125	14.6	180
	\$30,001-\$50,000	1.2	4	6.1	15	15.2	98	9.5	117
	\$50,001-\$80,000	1.4	5	8.5	21	12.0	77	8.3	103
	> \$80,000	.0	0	6.5	16	15.1	97	9.2	113
	<b>Total Expenditures</b>								
		11352.59	735	18597.40	317	20549.84	797	16559.09	1849

**Table B9. Expenses**

		LOWER- AND MIDDLE-INCOME COMMUNES			
		OWNERS		RENTERS	
		Mean	Median	Mean	Median
PANEL A: COMMUNAL SERVICES EXPENDITURES	Full Income Decile	Lowest 10%	1636.7	1287.5	1596.46
		Second decile	1630.87	1350	1716.94
		Third decile	1954.13	1350	1490.04
		Fourth decile	1667.36	1350	1570.98
		Fifth decile	1737.46	1300	2271.03
		Sixth decile	1899.13	1800	1533.93
		Seventh decile	1662.69	1400	1933.75
		Eighth decile	1888.21	1600	1458.99
		Ninth decile	1592.81	1500	1642.69
		Highest 10%	1751.1	1550	1480.37
		<b>Total</b>	<b>1740.86</b>	<b>1495</b>	<b>1662.19</b>
PANEL B: PROPERTY TAXES (FOR OWNERS)/RENT (FOR RENTERS)	Full Income Decile	Lowest 10%	85.49	.00	2476.51
		Second decile	453.73	.00	2073.48
		Third decile	316.55	41.67	4281.96
		Fourth decile	126.01	.00	6504.96
		Fifth decile	133.97	.00	5685.96
		Sixth decile	278.10	.00	5363.75
		Seventh decile	120.06	.00	4626.98
		Eighth decile	49.45	.00	2692.38
		Ninth decile	144.83	.00	5462.90
		Highest 10%	62.77	.00	4872.18
		<b>Total</b>	<b>159.20</b>	<b>.00</b>	<b>4429.90</b>

**Table B10: Borrowing Experience**

	ZONE							
	Temporary Camps		Lower-Income Communes		Middle-Income Communes		Total	
	%	Count	%	Count	%	Count	%	Count
Percentage of households that has borrowed money	21.4	211	20.5	136	22.6	388	21.8	735
<b>Source of Loan</b>								
Local bank	4.93	984	4.75	662	5.08	1719	4.97	3365
Foreign bank	50.8	500	47.7	316	48.9	841	49.2	1657
Credit union	28.4	279	15.4	102	19.2	330	21.1	711
Individual	2.08	279	1.89	102	1.97	330	2.00	711
Microfinance institution	81.3	800	18.6	123	18.1	311	36.7	1234
Other	95.9	767	64.5	78	70.0	212	86.4	1057
<b>Microfinance Institution</b>								
SOGESOL	20.0	8	26.2	16	26.3	30	25.1	54
MCN	7.5	3	4.9	3	5.3	6	5.6	12
MCC	5.0	2	4.9	3	2.6	3	3.7	8
FONKOZE	17.5	7	9.8	6	5.3	6	8.8	19
FINCA	2.5	1	1.6	1	.0	0	.9	2
ACME	42.5	17	45.9	28	43.0	49	43.7	94
Other	5.0	2	6.6	4	17.5	20	12.1	26
<b>Reason for Loan</b>								
Purchase of home	.5	1	5.2	7	2.7	10	2.5	18
Home repair/renovation	1.4	3	3.0	4	4.3	16	3.2	23
For a business	74.4	157	75.4	101	74.9	281	74.9	539
For general consumption	4.3	9	1.5	2	.3	1	1.7	12
Other	19.4	41	14.9	20	17.9	67	17.8	128

**Table B11a. Basic Dwelling Characteristics in Temporary Camps**

	Past Unit		Current Unit		Future Unit (If Moving)	
	%	Count	%	Count	%	Count
<b>Type of Dwelling</b>						
Kay atè (combined walls and ceiling)	3.3	30	9.9	97	1.0	4
Slum	4.2	39	49.9	491	3.3	14
One-story house	57.4	527	.0	0	86.5	364
2+ story house	27.7	254	.0	0	6.4	27
Apartment	6.8	62	.0	0	1.9	8
Other	.7	6	40.2	396	1.0	4
<b>Floor Area (m<sup>2</sup>)</b>						
	23.55	864	13.21	818	32.00	395
<b>Number of Rooms</b>						
	2.06	924	1.20	958	2.79	417
<b>Persons per Room</b>						
< 1	4.8	44	.6	6	8.9	37
1-2	23.0	212	4.6	44	41.7	174
2-3	24.2	223	9.7	93	25.9	108
3-4	19.1	176	21.4	205	15.3	64
> 4	28.9	266	63.7	610	8.2	34
<b>Number of Bedrooms</b>						
	1.45	924	1.10	958	2.00	418
<b>Wall Material</b>						
Concrete	9.2	85	1.6	15	3.1	13
Stone	87.2	806	4.0	38	92.3	384
Wood	.1	1	9.0	85	1.4	6
Sheet metal	.6	6	8.4	79	1.4	6
Plastic/cardboard	.5	5	48.4	455	.2	1
Cloth/canvas, fabric, or synthetic materials	.0	0	6.8	64	.0	0
Other	2.3	21	21.7	204	1.4	6

	Past Unit		Current Unit		Future Unit (If Moving)	
	%	Count	%	Count	%	Count
<b>Roof Material</b>						
Concrete	60.9	561	4.1	39	40.6	168
Stone	3.3	30	.4	4	2.2	9
Sheet metal	34.5	318	13.1	124	56.3	233
Plastic/cardboard	.5	5	49.1	464	.0	0
Cloth/canvas, fabric, or synthetic materials	.0	0	7.1	67	.0	0
Other	.8	7	26.1	247	1.0	4
<b>Floor Material</b>						
Concrete	58.6	540	9.8	91	40.5	165
Stone	1.4	13	1.0	9	.0	0
Earth	.9	8	46.5	434	.2	1
Mosaic	10.0	92	.6	6	12.3	50
Ceramic	11.3	104	2.5	23	35.1	143
Clay	3.8	35	7.6	71	5.2	21
Plastic/cardboard	.1	1	13.1	122	.0	0
Other	14.0	129	19.0	177	6.6	27
<b>Proportion with ...</b>						
Separate kitchen	59.2	542	53.2	501	42.5	168
Electricity	91.0	844	34.1	330	97.0	386
<b>Hours of Electricity per Day</b>						
< 4	7.5	60	11.0	35	.9	3
4 - 8	25.0	201	30.4	97	4.2	14
8 - 12	38.4	309	26.3	84	25.3	85
> 12	29.1	234	32.3	103	69.6	234
<b>Ownership of Generator or Inverter</b>						
None	93.7	864	97.5	940	57.0	233
Generator	2.4	22	.9	9	12.5	51
Inverter	3.4	31	.9	9	24.0	98
Generator and inverter	.5	5	.6	6	6.6	27

	Past Unit		Current Unit		Future Unit (If Moving)	
	%	Count	%	Count	%	Count
<b>Light Source</b>						
None	.4	4	.7	7	.0	0
Electric lights	28.3	261	8.2	80	54.5	228
Solar lights	.5	5	2.0	20	3.1	13
Candles	38.2	353	54.0	530	22.0	92
Petrol or kerosene lamp	30.8	284	24.1	236	17.7	74
Rechargeable lamp	1.1	10	9.0	88	1.7	7
Other	.7	6	2.0	20	1.0	4
<b>Source of Cooking Heat</b>						
Propane gas	4.2	39	1.1	11	29.0	124
Kerosene	5.4	50	2.9	28	6.6	28
Charcoal	88.6	814	93.2	907	58.5	250
Other	1.7	16	2.8	27	5.9	25
<b>Possession of Bath or Shower</b>						
None	22.7	210	68.5	657	3.8	16
Private bath/shower	46.8	432	4.1	39	88.6	372
Shared with another household	30.5	282	27.4	263	7.6	32
<b>Possession of Toilet</b>						
None	5.0	46	24.8	242	1.2	5
Inside dwelling	28.2	261	4.3	42	69.7	281
Outside dwelling	40.3	373	13.9	136	24.3	98
Shared with another household	26.5	245	57.0	557	4.7	19
<b>Type of Toilet</b>						
Flushes to sewer	3.9	36	.4	4	3.4	13
Flushes to septic tank	17.6	163	3.3	32	49.6	191
Flushes to pit latrine	28.5	264	3.5	34	20.8	80
Flushes to unknown location	1.1	10	.4	4	1.8	7
Self-cooling improved pit latrine	13.6	126	5.8	56	13.2	51
Covered pit latrine	27.7	256	9.4	90	9.9	38
Uncovered pit latrine (open pit)	3.4	31	1.6	15	.5	2
Public toilet	2.6	24	69.5	667	.8	3
None	1.6	15	6.0	58	.0	0

	Past Unit		Current Unit		Future Unit (If Moving)	
	%	Count	%	Count	%	Count
<b>Method of Garbage Disposal</b>						
Public trash bins	70.6	635	64.9	633	76.8	282
Private trash bins	6.9	62	4.2	41	14.2	52
Thrown into the street	5.1	46	9.9	97	1.9	7
Burned	8.2	74	5.5	54	3.8	14
Thrown onto empty land	5.0	45	12.4	121	1.1	4
Thrown into ravines	.0	0	.0	0	.0	0
Other	4.2	38	3.1	30	2.2	8
<b>Primary Water Source</b>						
Piped into dwelling	10.2	94	4.7	46	47.2	180
Piped into courtyard	12.1	112	5.6	55	17.1	65
Piped into neighborhood	25.8	239	15.3	150	8.4	32
Well in yard	2.3	21	.7	7	1.0	4
Well outside the dwelling	2.3	21	1.6	16	.3	1
Public standpipe	9.4	87	33.7	331	6.8	26
Tanker truck	20.4	189	24.0	235	3.7	14
Bottled water	11.5	106	7.4	73	10.8	41
Rainwater collection	.6	6	.2	2	.8	3
Spring or river	2.9	27	2.5	25	2.4	9
Other	2.5	23	4.2	41	1.6	6
<b>Water Reliability</b>						
Almost never a problem	61.4	568	55.5	543	78.5	281
Problems from time to time	31.0	287	33.7	330	20.9	75
Problems every week	5.8	54	4.5	44	.6	2
Problems/outages every day	1.7	16	6.2	61	.0	0
<b>Secondary Water Source</b>						
None	15.1	139	19.3	188	.0	0
Piped into dwelling	1.2	11	.1	1	10.2	35
Piped into courtyard	2.2	20	1.4	14	6.4	22
Piped into neighborhood	18.5	170	15.7	153	17.7	61
Well in yard	.9	8	.4	4	.6	2
Well outside the dwelling	3.3	30	2.8	27	.9	3
Public standpipe	6.8	63	7.3	71	2.9	10

	Past Unit		Current Unit		Future Unit (If Moving)	
	%	Count	%	Count	%	Count
<b>Secondary Water Source (Cont.)</b>						
Tanker truck	22.8	210	21.7	211	14.0	48
Bottled water	11.9	110	11.5	112	23.8	82
Rainwater collection	5.9	54	5.5	54	3.5	12
Spring or river	2.8	26	3.7	36	4.9	17
Other	8.7	80	10.5	102	15.1	52
<b>Source of Drinking Water</b>						
Piped into dwelling	4.8	44	2.9	28	9.2	39
Piped into courtyard	3.0	28	1.8	18	2.1	9
Piped into neighborhood	9.7	89	7.2	71	3.5	15
Public standpipe	2.6	24	6.9	68	1.9	8
Tanker truck	1.6	15	5.8	57	.2	1
Bottled water	23.5	217	23.3	229	27.7	118
Spring or river	1.8	17	1.7	17	1.2	5
Kiosk / water seller	51.0	470	46.8	460	53.5	228
Other	2.0	18	3.5	34	.7	3
<b>Proportion with Safe Drinking Water</b>						
	68.7	628	62.8	610	72.6	304
<b>Frequency of Water Treatment</b>						
Always	75.9	208	90.7	331	96.6	112
Most of the time	11.7	32	4.9	18	2.6	3
Sometimes	12.4	34	4.4	16	.9	1
<b>Water Treatment Method</b>						
Boiling	1.5	4	1.7	6	.9	1
Add chlorine	95.1	255	86.9	313	95.7	110
Water filter	.0	0	1.4	5	2.6	3
Solar disinfection	3.4	9	7.8	28	.9	1
Other	.0	0	2.2	8	11.7	45
<b>Type of Car Access</b>						
None	38.5	351	55.2	530	.0	0
Paved road	33.9	309	22.9	220	71.3	273
Partially paved road	14.4	131	10.1	97	4.2	16
Gravel road	5.6	51	3.4	33	6.5	25
Unpaved road	7.6	69	8.3	80	6.0	23
Other	.1	1	.1	1	.3	1

**Table B11b. Basic Dwelling Characteristics in Lower-Income and Middle-Income Communes (Non-Camps)**

	Past Unit		Present Unit		Future Unit (If Moving)		Future Unit (If Renovating)	
	%	Count	%	Count	%	Count	%	Count
<b>Type of Dwelling</b>								
Kay atè (combined walls and ceiling)	5.2	22	2.9	70	5.9	12	1.9	1
Slum	3.3	14	4.5	108	2.0	4	3.7	2
One-story house	45.7	193	61.2	1457	56.9	115	53.7	29
2+ story house	31.8	134	20.1	478	18.3	37	27.8	15
Apartment	10.7	45	7.4	176	12.4	25	11.1	6
Other	3.3	14	3.8	90	4.5	9	1.9	1
<b>Floor Area (m2)</b>								
	40.45	420	31.45	2381	54.33	194	59.36	53
<b>Number of Rooms</b>								
	2.92	422	2.88	2381	3.43	199	3.30	54
<b>Persons per Room</b>								
< 1	18.7	79	16.3	389	20.1	40	24.1	13
1-2	32.7	138	30.9	735	38.2	76	37.0	20
2-3	19.4	82	17.6	420	16.1	32	11.1	6
3-4	11.1	47	11.2	267	14.1	28	14.8	8
> 4	18.0	76	23.9	570	11.6	23	13.0	7
<b>Number of Bedrooms</b>								
	1.88	422	1.78	2381	2.24	198	2.17	54
<b>Wall Material</b>								
Concrete	14.7	62	14.2	337	7.5	15	5.6	3
Stone	81.8	345	77.9	1854	86.5	173	85.2	46
Wood	.5	2	4.5	108	1.0	2	1.9	1
Sheet metal	1.4	6	1.2	29	.5	1	1.9	1
Plastic/cardboard	.0	0	.3	7	.0	0	.0	0
Cloth/canvas, fabric, or synthetic materials	.7	3	.2	5	.0	0	.0	0
Other	.9	4	1.7	41	4.5	9	5.6	3

	Past Unit		Present Unit		Future Unit (If Moving)		Future Unit (If Renovating)	
	%	Count	%	Count	%	Count	%	Count
<b>Roof Material</b>								
Concrete	63.5	268	53.8	1281	59.5	119	62.3	33
Stone	1.4	6	1.7	41	.0	0	1.9	1
Sheet metal	33.2	140	42.3	1006	39.5	79	35.8	19
Plastic/cardboard	.0	0	.5	12	.0	0	.0	0
Cloth/canvas, fabric, or synthetic materials	.5	2	.3	8	.0	0	.0	0
Other	1.4	6	1.4	33	1.0	2	.0	0
<b>Floor Material</b>								
Concrete	48.1	203	52.6	1253	36.2	71	16.7	9
Stone	1.9	8	1.6	37	.0	0	.0	0
Earth	1.2	5	4.5	107	.0	0	.0	0
Mosaic	16.6	70	13.1	311	16.8	33	18.5	10
Ceramic	19.2	81	12.9	306	31.6	62	42.6	23
Clay	4.0	17	3.7	89	4.1	8	.0	0
Plastic/cardboard	.0	0	.0	0	.5	1	.0	0
Other	9.0	38	11.7	278	10.7	21	22.2	12
<b>Proportion with Separate Kitchen</b>								
	54.5	230	56.1	1335	48.1	91	54.7	29
<b>Proportion with Electricity</b>								
	89.3	377	82.8	1971	92.4	170	92.3	48
<b>Hours of Electricity per Day</b>								
< 4	10.1	38	6.3	122	4.0	6	4.9	2
4-8	28.9	109	29.9	579	11.3	17	14.6	6
8-12	32.1	121	33.3	645	28.5	43	39.0	16
> 12	28.9	109	30.6	593	56.3	85	41.5	17
<b>Ownership of Generator or Inverter</b>								
None	82.4	347	87.9	2093	65.0	128	61.5	32
Generator	6.2	26	4.2	99	9.6	19	9.6	5
Inverter	7.8	33	6.3	149	16.8	33	19.2	10
Generator and inverter	3.6	15	1.7	40	8.6	17	9.6	5

	Past Unit		Present Unit		Future Unit (If Moving)		Future Unit (If Renovating)	
	%	Count	%	Count	%	Count	%	Count
<b>Light Source</b>								
None	1.7	7	1.4	34	.0	0	.0	0
Electric lights	32.5	137	25.2	601	51.0	99	52.8	28
Solar lights	1.4	6	2.3	54	1.0	2	5.7	3
Candles	29.9	126	32.8	782	14.9	29	17.0	9
Petrol or kerosene lamp	32.0	135	33.4	795	25.3	49	15.1	8
Rechargeable lamp	2.1	9	2.4	58	6.2	12	7.5	4
Other	.5	2	2.4	57	1.5	3	1.9	1
<b>Source of Cooking Heat</b>								
Propane gas	18.0	76	11.9	283	33.8	66	32.1	17
Kerosene	5.7	24	3.9	94	5.6	11	7.5	4
Charcoal	73.5	310	81.4	1939	58.5	114	58.5	31
Other	2.8	12	2.7	65	2.1	4	1.9	1
<b>Possession of Bath or Shower</b>								
None	16.6	70	29.8	701	10.1	20	9.4	5
Private bath/shower	60.0	253	52.8	1243	83.9	167	73.6	39
Shared with another household	23.5	99	17.5	411	6.0	12	17.0	9
<b>Possession of Toilet</b>								
None	4.8	20	8.4	201	3.5	7	3.9	2
Inside dwelling	43.5	183	39.5	940	64.6	128	64.7	33
Outside dwelling	39.0	164	37.5	894	24.7	49	21.6	11
Shared with another household	12.8	54	14.5	346	7.1	14	9.8	5
<b>Type of Toilet</b>								
Flushes to sewer	4.7	20	2.5	59	6.5	12	11.1	6
Flushes to septic tank	24.6	104	22.2	528	38.9	72	27.8	15
Flushes to pit latrine	28.2	119	29.2	696	24.9	46	27.8	15
Flushes to unknown location	1.7	7	1.8	44	4.9	9	5.6	3
Self-cooling improved pit latrine	16.6	70	15.7	373	11.9	22	11.1	6
Covered pit latrine	14.5	61	19.2	458	10.8	20	13.0	7
Uncovered pit latrine (open pit)	4.3	18	3.9	92	.5	1	3.7	2
Public toilet	2.4	10	1.5	35	.5	1	.0	0
None	3.1	13	4.0	96	1.1	2	.0	0

	Past Unit		Present Unit		Future Unit (If Moving)		Future Unit (If Renovating)	
	%	Count	%	Count	%	Count	%	Count
<b>Method of Garbage Disposal</b>								
Public trash bins	53.1	224	50.0	1191	68.2	116	53.7	22
Private trash bins	5.2	22	4.6	110	11.8	20	22.0	9
Thrown into the street	3.8	16	5.0	120	2.4	4	12.2	5
Burned	6.2	26	7.3	174	7.6	13	4.9	2
Thrown onto empty land	3.6	15	5.3	127	4.1	7	.0	0
Thrown into ravines	.0	0	21.7	516	.0	0	.0	0
Other	28.2	119	6.0	143	5.9	10	7.3	3
<b>Primary Water Source</b>								
Piped into dwelling	21.1	89	19.8	471	39.2	78	26.9	14
Piped into courtyard	15.2	64	12.5	297	16.6	33	19.2	10
Piped into neighborhood	25.1	106	27.3	651	18.1	36	13.5	7
Well in yard	2.8	12	4.3	103	1.5	3	3.8	2
Well outside the dwelling	3.3	14	5.9	140	3.5	7	9.6	5
Public standpipe	5.9	25	7.1	168	5.0	10	13.5	7
Tanker truck	18.0	76	15.3	364	10.6	21	5.8	3
Bottled water	4.7	20	3.0	71	2.5	5	3.8	2
Rainwater collection	1.7	7	2.2	53	1.5	3	.0	0
Spring or river	.5	2	.1	3	.0	0	1.9	1
Other	1.7	7	2.5	60	1.5	3	1.9	1
<b>Water Reliability</b>								
Almost never a problem	58.9	248	56.5	1344	71.0	130	71.4	35
Problems from time to time	33.0	139	36.1	859	24.6	45	20.4	10
Problems every week	5.7	24	5.6	134	3.8	7	6.1	3
Problems/outages every day	2.4	10	1.8	42	.5	1	2.0	1
<b>Secondary Water Source</b>								
None	.0	0	9.7	232	.0	0	.0	0
Piped into dwelling	9.7	41	1.3	32	8.8	16	6.5	3
Piped into courtyard	3.3	14	1.5	35	6.1	11	.0	0
Piped into neighborhood	17.5	74	19.2	456	11.0	20	6.5	3
Well in yard	1.4	6	2.1	49	1.7	3	2.2	1
Well outside the dwelling	3.8	16	6.9	165	5.5	10	6.5	3
Public standpipe	11.6	49	9.5	226	9.4	17	13.0	6

	Past Unit		Present Unit		Future Unit (If Moving)		Future Unit (If Renovating)	
	%	Count	%	Count	%	Count	%	Count
<b>Secondary Water Source (Cont.)</b>								
Tanker truck	22.7	96	21.2	505	22.1	40	28.3	13
Bottled water	11.1	47	8.2	196	16.0	29	8.7	4
Rainwater collection	5.2	22	3.9	93	3.9	7	.0	0
Spring or river	2.1	9	2.1	51	.0	0	.0	0
Other	11.4	48	14.3	341	15.5	28	28.3	13
<b>Source of Drinking Water</b>								
Piped into dwelling	5.5	23	4.6	110	7.6	15	5.8	3
Piped into courtyard	3.6	15	3.2	75	1.0	2	3.8	2
Piped into neighborhood	6.2	26	8.9	210	3.5	7	1.9	1
Public standpipe	1.7	7	1.6	38	.0	0	1.9	1
Tanker truck	2.1	9	2.1	49	1.0	2	.0	0
Bottled water	24.6	104	28.9	685	34.3	68	13.5	7
Spring or river	.7	3	.2	4	.0	0	.0	0
Kiosk / water seller	53.3	225	47.3	1121	51.5	102	71.2	37
Other	2.4	10	3.3	78	1.0	2	1.9	1
<b>Proportion with safe Drinking Water</b>								
	71.8	303	68.9	1635	70.4	138	69.2	36
<b>Frequency of Water Treatment</b>								
Always	67.0	136	87.3	668	89.5	51	81.3	13
Most of the time	17.7	36	6.9	53	7.0	4	18.8	3
Sometimes	15.3	31	5.8	44	3.5	2	.0	0
<b>Water treatment Method</b>								
Boiling	23.6	48	5.6	42	5.5	3	.0	0
Add chlorine	55.2	112	88.5	661	85.5	47	93.8	15
Water filter	3.4	7	.8	6	1.8	1	6.3	1
Solar disinfection	2.5	5	4.1	31	7.3	4	.0	0
Other	15.3	31	.9	7	20.3	39	.0	0
<b>Type of Car Access</b>								
None	29.1	123	32.0	761	.0	0	18.5	10
Paved road	45.0	190	37.2	885	56.3	108	68.5	37
Partially paved road	9.5	40	12.2	290	13.0	25	7.4	4
Gravel road	4.5	19	6.4	152	1.6	3	1.9	1
Unpaved road	11.8	50	11.9	284	8.3	16	3.7	2
Other	.0	0	.4	9	.5	1	.0	0

**Table B12a. Tenure and Housing Expenditures in Temporary Camps**

	Past Unit		Present Unit		Future Unit (If Moving)	
	%	Count	%	Count	%	Count
<b>Tenure</b>						
Owner	14.7	136	25.1	247	67.1	243
Renter	78.7	730	74.2	730	30.4	110
Farmer	6.5	60	.5	5	2.5	9
Other	.1	1	.2	2	.0	0
<b>OWNERS</b>						
<b>Land Ownership</b>						
No	9.4	12	90.6	213	7.4	17
Owns the land	66.1	84	7.2	17	80.0	184
Controls the land	24.4	31	2.1	5	12.6	29
<b>Proof of Ownership</b>						
None	19.3	23	87.2	204	9.6	21
Notarized title	51.3	61	6.4	15	74.0	162
Sales receipt	19.3	23	.4	1	11.4	25
Living free of charge	6.7	8	5.1	12	3.7	8
Other	3.4	4	.9	2	1.4	3
<b>Basis of Ownership</b>						
Household built dwelling w/ help from family/friends	34.3	37	35.9	65	21.6	40
Built by someone hired	6.5	7	.0	0	7.6	14
Purchased	29.6	32	1.7	3	14.6	27
Obtained for free	9.3	10	45.9	83	41.6	77
Provenance other than family	.9	1	.0	0	.0	0
Inherited	12.0	13	1.7	3	3.8	7
Other	7.4	8	14.9	27	10.8	20
<b>Monthly Cost of ....</b>						
Electricity	529.82	130	51.99	226	284.52	165
Water	520.94	129	211.15	240	598.97	175
Cooking Fuel	1510.41	132	760.89	240	1053.09	178
Garbage disposal	17.42	132	4.66	238	24.16	178

	Past Unit		Present Unit		Future Unit (If Moving)	
	%	Count	%	Count	%	Count
<b>Dwelling Value in U.S. Dollars</b>						
< \$20,000	55.9	66	95.3	181	49.7	78
\$20,001-\$30,000	25.4	30	3.7	7	25.5	40
\$30,001-\$50,000	13.6	16	.0	0	20.4	32
\$50,001-\$80,000	5.1	6	1.1	2	4.5	7
> \$80,000	.0	0	.0	0	.0	0
<b>RENTERS</b>						
<b>Monthly Rent (Including Subsidy)</b>						
	5171.32	678	302.36	217	1919.84	58

**Table B12b. Tenure and Housing Expenditures in Lower-Income and Middle-Income Communes (Non-Camps)**

	Past Unit		Present Unit		Future Unit (If Moving)		Future Unit (If Renovating)	
	%	Count	%	Count	%	Count	%	Count
<b>Tenure</b>								
Owner	25.6	108	43.7	1041	52.7	107	22.5	29
Renter	66.8	282	44.9	1070	35.0	71	15.5	20
Farmer	5.5	23	1.8	44	3.9	8	2.3	3
Other	2.1	9	9.5	226	8.4	17	59.7	77
<b>OWNERS</b>								
<b>Land Ownership</b>								
No	8.3	9	8.6	90	5.4	5	.0	0
Owns the land	72.2	78	75.1	782	79.6	74	75.0	21
Controls the land	19.4	21	16.2	169	15.1	14	25.0	7
<b>Proof of Ownership</b>								
None	11.1	12	15.3	159	4.3	4	7.1	2
Notarized title	58.3	63	64.6	673	68.8	64	67.9	19
Sales receipt	17.6	19	11.4	119	16.1	15	10.7	3
Living free of charge	8.3	9	4.4	46	4.3	4	3.6	1
Other	4.6	5	4.2	44	6.5	6	10.7	3

	Past Unit		Present Unit		Future Unit (If Moving)		Future Unit (If Renovating)	
	%	Count	%	Count	%	Count	%	Count
<b>Basis of Ownership</b>								
Household built dwelling w/ help from family/friends	18.3	19	27.3	277	27.8	22	25.0	5
Built by someone hired	4.8	5	3.9	40	6.3	5	10.0	2
Purchased	25.0	26	34.1	345	35.4	28	55.0	11
Obtained for free	6.7	7	4.1	42	1.3	1	.0	0
Provenance other than family	7.7	8	2.8	28	3.8	3	.0	0
Inherited	28.8	30	19.3	196	15.2	12	5.0	1
Other	8.7	9	8.4	85	10.1	8	5.0	1
<b>Monthly Cost of ...</b>								
Electricity	474.69	98	369.62	973	595.90	81	405.00	20
Water	631.44	104	645.37	989	809.37	87	736.09	23
Cooking Fuel	923.44	106	770.78	1000	1557.22	88	1273.33	24
Garbage disposal	82.81	96	60.56	967	41.57	89	28.00	25
<b>Dwelling Value in U.S. Dollars</b>								
< \$20,000	23.3	20	33.6	325	21.5	20	22.2	4
\$20,001-\$30,000	20.9	18	19.1	185	22.6	21	22.2	4
\$30,001-\$50,000	9.3	8	13.8	134	17.2	16	33.3	6
\$50,001-\$80,000	20.9	18	15.4	149	19.4	18	11.1	2
> \$80,000	25.6	22	18.1	175	19.4	18	11.1	2
<b>RENTERS</b>								
<b>Landlord</b>								
A relative	26.9	82	7.6	85	28.1	9	50.0	2
Employer of a household member	32.8	100	45.5	507	53.1	17	25.0	1
Governmental agency	.0	0	.0	0	.0	0	.0	0
NGO	.0	0	.3	3	.0	0	.0	0
Private company / landowner	14.4	44	.3	3	9.4	3	.0	0
Other	25.9	79	46.3	516	9.4	3	25.0	1
<b>Monthly Rent (Including Subsidy)</b>								
	5370.33	255	4132.87	818	1475.00	2	2000.00	1

**Table B13a. Basic Dwelling Characteristics of Temporary Camps Households that Have Moved in the Last 18 Months**

	Past Dwelling		Current Dwelling	
	%	Count	%	Count
<b>Type of Dwelling</b>				
Kay atè (combined walls and ceiling)	4.0	30	10.3	82
Slum	4.9	37	50.6	405
One-story house	56.2	426	.0	0
2+ story house	26.5	201	.00	0
Apartment	8.0	61	.00	0
Other	.4	3	.0	0
<b>Floor Area (m<sup>2</sup>)</b>				
	23.83	726	12.86	702
<b>Number of Rooms</b>				
	2.01	761	1.19	789
<b>Persons per Room</b>				
< 1	3.8	29	.8	6
1-2	24.0	182	4.3	34
2-3	24.1	183	10.1	80
3-4	18.8	143	21.0	166
> 4	29.2	222	63.8	503
<b>Number of Bedrooms</b>				
	1.46	761	1.09	789
<b>Wall Material</b>				
Concrete	8.7	66	1.4	11
Stone	87.3	666	3.2	25
Wood	.1	1	8.5	66
Sheet metal	.8	6	9.4	73
Plastic/cardboard	.7	5	46.3	358
Cloth/canvas, fabric, or synthetic materials	.0	0	7.0	54
Other	2.5	19	24.2	187

	Past Dwelling	Current Dwelling		
	%	Count	%	Count
<b>Roof Material</b>				
Concrete	59.8	455	3.3	26
Stone	3.8	29	.5	4
Sheet metal	34.8	265	13.0	101
Plastic/cardboard	.7	5	47.0	366
Cloth/canvas, fabric, or synthetic materials	.0	0	7.6	59
Other	.9	7	28.6	223
<b>Floor Material</b>				
Concrete	56.1	427	10.3	79
Stone	1.6	12	1.2	9
Earth	.9	7	47.5	365
Mosaic	9.9	75	.7	5
Ceramic	11.8	90	2.0	15
Clay	4.2	32	9.2	71
Plastic/cardboard	.1	1	10.8	83
Other	15.4	117	18.5	142
<b>Proportion with ...</b>				
Separate kitchen	60.6	457	55.3	428
Electricity	91.8	701	34.6	273
<b>Hours of Electricity per Day</b>				
< 4	6.0	40	9.9	26
4 - 8	25.0	167	31.2	82
8 - 12	39.8	266	24.7	65
> 12	29.2	195	34.2	90
<b>Ownership of Generator or Inverter</b>				
None	93.8	713	97.6	766
Generator	2.5	19	.8	6
Inverter	3.3	25	1.0	8
Generator and inverter	.4	3	.6	5

	Past Dwelling	Current Dwelling		
	%	Count	%	Count
<b>Light Source</b>				
None	.4	3	.5	4
Electric lights	29.5	225	8.4	67
Solar lights	.7	5	2.4	19
Candles	37.1	283	51.4	410
Petrol or kerosene lamp	30.3	231	24.8	198
Rechargeable lamp	1.2	9	10.3	82
Other	.8	6	2.3	18
<b>Source of Cooking Heat</b>				
Propane gas	3.8	29	.9	7
Kerosene	4.2	32	2.4	19
Charcoal	90.3	685	94.2	745
Other	1.7	13	2.5	20
<b>Possession of Bath or Shower</b>				
None	24.0	183	69.3	541
Private bath/shower	45.7	348	3.2	25
Shared with another household	30.3	231	27.5	215
<b>Possession of Toilet</b>				
None	4.3	33	24.8	197
Inside dwelling	27.5	210	3.9	31
Outside dwelling	42.7	326	14.8	118
Shared with another household	25.4	194	56.5	449
<b>Type of Toilet</b>				
Flushes to sewer	4.2	32	.5	4
Flushes to septic tank	15.1	115	3.5	27
Flushes to pit latrine	29.0	221	3.2	25
Flushes to unknown location	1.3	10	.5	4
Self-cooling improved pit latrine	10.6	81	6.6	51
Covered pit latrine	31.4	239	10.0	78
Uncovered pit latrine (open pit)	3.9	30	1.9	15
Public toilet	3.0	23	68.3	531
None	1.4	11	5.5	43

	Past Dwelling	Current Dwelling		
	%	Count	%	Count
<b>Method of Garbage Disposal</b>				
Public trash bins	68.6	509	62.4	494
Private trash bins	5.9	44	4.3	34
Thrown into the street	6.1	45	11.5	91
Burned	8.9	66	5.7	45
Thrown onto empty land	5.8	43	12.5	99
Thrown into ravines	.0	0	.0	0
Other	4.7	35	3.7	29
<b>Primary Water Source</b>				
Piped into dwelling	10.1	77	4.8	38
Piped into courtyard	12.3	94	5.6	45
Piped into neighborhood	26.9	205	17.6	140
Well in yard	2.6	20	.8	6
Well outside the dwelling	2.0	15	1.6	13
Public standpipe	8.8	67	31.0	247
Tanker truck	21.9	167	23.8	190
Bottled water	11.0	84	7.2	57
Rainwater collection	.4	3	.3	2
Spring or river	3.1	24	2.9	23
Other	.8	6	4.5	36
<b>Water Reliability</b>				
Almost never a problem	59.4	453	56.7	451
Problems from time to time	32.9	251	32.6	259
Problems every week	6.3	48	4.7	37
Problems/outages every day	1.3	10	6.0	48
<b>Secondary Water Source</b>				
None	13.9	106	19.0	150
Piped into dwelling	1.2	9	.1	1
Piped into courtyard	2.2	17	1.4	11
Piped into neighborhood	19.2	146	17.5	138
Well in yard	1.1	8	.4	3
Well outside the dwelling	2.5	19	2.2	17
Public standpipe	8.0	61	8.5	67

	Past Dwelling	Current Dwelling		
	%	Count	%	Count
<b>Secondary Water Source (Cont.)</b>				
Tanker truck	21.7	165	20.8	164
Bottled water	12.9	98	11.9	94
Rainwater collection	6.8	52	6.1	48
Spring or river	3.3	25	4.1	32
Other	7.1	54	8.2	65
<b>Source of Drinking Water</b>				
Piped into dwelling	4.9	37	3.1	25
Piped into courtyard	3.4	26	2.1	17
Piped into neighborhood	10.4	79	8.0	64
Public standpipe	2.9	22	7.1	57
Tanker truck	1.7	13	5.5	44
Bottled water	23.8	181	22.9	183
Spring or river	2.0	15	1.9	15
Kiosk / water seller	49.4	376	45.9	367
Other	1.6	12	3.4	27
<b>Proportion with Safe Drinking Water</b>				
	65.8	495	60.2	477
<b>Frequency of Water Treatment</b>				
Always	76.4	188	91.2	289
Most of the time	10.6	26	4.7	15
Sometimes	13.0	32	4.1	13
<b>Water Treatment Method</b>				
Boiling	.4	1	1.0	3
Add chlorine	96.3	234	87.3	274
Water filter	.0	0	1.6	5
Solar disinfection	3.3	8	8.0	25
Other	.0	0	2.2	7
<b>Type of Car Access</b>				
None	39.4	297	54.8	429
Paved road	30.9	233	20.1	157
Partially paved road	15.4	116	11.5	90
Gravel road	5.6	42	4.1	32
Unpaved road	8.5	64	9.5	74
Other	.1	1	.1	1

**Table B13b. Basic Dwelling Characteristics of Temporary Camps Households that Are Planning to Move in the Next Year**

	Past Dwelling		Current Dwelling	
	%	Count	%	Count
<b>Type of Dwelling</b>				
Kay atè (combined walls and ceiling)	7.4	45	1.0	4
Slum	50.7	309	3.3	14
One-story house	.0	0	86.5	364
2+ story house	.0	0	6.4	27
Apartment	.0	0	1.9	8
Other	41.9	255	1.0	4
<b>Floor Area (m<sup>2</sup>)</b>				
	12.30	517	32.00	395
<b>Number of Rooms</b>				
	1.16	600	2.79	417
<b>Persons per Room</b>				
< 1	.7	4	8.9	37
1-2	2.7	16	41.7	174
2-3	9.2	55	25.9	108
3-4	16.3	98	15.3	64
> 4	71.2	427	8.2	34
<b>Number of Bedrooms</b>				
	1.07	600	2.00	418
<b>Wall Material</b>				
Concrete	1.2	7	3.1	13
Stone	4.4	26	92.3	384
Wood	9.0	53	1.4	6
Sheet metal	8.5	50	1.4	6
Plastic/cardboard	51.6	304	.2	1
Cloth/canvas, fabric, or synthetic materials	4.1	24	.0	0
Other	21.2	125	1.4	6

	Past Dwelling	Current Dwelling		
	%	Count	%	Count
<b>Roof Material</b>				
Concrete	4.0	24	40.6	168
Stone	.2	1	2.2	9
Sheet metal	13.6	81	56.3	233
Plastic/cardboard	52.5	312	.0	0
Cloth/canvas, fabric, or synthetic materials	5.4	32	.0	0
Other	24.2	144	1.0	4
<b>Floor Material</b>				
Concrete	7.3	43	40.5	165
Stone	1.2	7	.0	0
Earth	40.7	240	.2	1
Mosaic	.7	4	12.3	50
Ceramic	2.9	17	35.1	143
Clay	10.9	64	5.2	21
Plastic/cardboard	13.6	80	.0	0
Other	22.8	134	6.6	27
<b>Proportion with ...</b>				
Separate kitchen	53.2	312	42.5	168
Electricity	37.0	224	97.0	386
<b>Hours of Electricity per Day</b>				
< 4	10.1	22	.9	3
4 - 8	29.0	63	4.2	14
8 - 12	28.1	61	25.3	85
> 12	32.7	71	69.6	234
<b>Ownership of Generator or Inverter</b>				
None	97.5	583	57.0	233
Generator	1.2	7	12.5	51
Inverter	1.0	6	24.0	98
Generator and inverter	.3	2	6.6	27

	Past Dwelling	Current Dwelling		
	%	Count	%	Count
<b>Light Source</b>				
None	.7	4	.0	0
Electric lights	7.4	45	54.5	228
Solar lights	2.6	16	3.1	13
Candles	55.8	339	22.0	92
Petrol or kerosene lamp	23.2	141	17.7	74
Rechargeable lamp	8.7	53	1.7	7
Other	1.5	9	1.0	4
<b>Source of Cooking Heat</b>				
Propane gas	.8	5	29.0	124
Kerosene	3.3	20	6.6	28
Charcoal	93.0	560	58.5	250
Other	2.8	17	5.9	25
<b>Possession of Bath or Shower</b>				
None	65.9	390	3.8	16
Private bath/shower	4.6	27	88.6	372
Shared with another household	29.6	175	7.6	32
<b>Possession of Toilet</b>				
None	19.4	117	1.2	5
Inside dwelling	3.3	20	69.7	281
Outside dwelling	15.2	92	24.3	98
Shared with another household	62.1	375	4.7	19
<b>Type of Toilet</b>				
Flushes to sewer	.2	1	3.4	13
Flushes to septic tank	1.5	9	49.6	191
Flushes to pit latrine	2.9	17	20.8	80
Flushes to unknown location	.7	4	1.8	7
Self-cooling improved pit latrine	5.9	35	13.2	51
Covered pit latrine	13.6	81	9.9	38
Uncovered pit latrine (open pit)	1.0	6	.5	2
Public toilet	70.0	417	.8	3
None	4.4	26	.0	0

	Past Dwelling	Current Dwelling		
	%	Count	%	Count
<b>Method of Garbage Disposal</b>				
Public trash bins	67.8	408	76.8	282
Private trash bins	4.2	25	14.2	52
Thrown into the street	11.0	66	1.9	7
Burned	5.3	32	3.8	14
Thrown onto empty land	9.0	54	1.1	4
Thrown into ravines	.0	0	.0	0
Other	2.8	17	2.2	8
<b>Primary Water Source</b>				
Piped into dwelling	5.8	35	47.2	180
Piped into courtyard	7.1	43	17.1	65
Piped into neighborhood	14.0	85	8.4	32
Well in yard	.8	5	1.0	4
Well outside the dwelling	.5	3	.3	1
Public standpipe	39.8	241	6.8	26
Tanker truck	15.8	96	3.7	14
Bottled water	8.4	51	10.8	41
Rainwater collection	.2	1	.8	3
Spring or river	2.3	14	2.4	9
Other	5.3	32	1.6	6
<b>Water Reliability</b>				
Almost never a problem	55.6	336	78.5	281
Problems from time to time	37.4	226	20.9	75
Problems every week	3.1	19	.6	2
Problems/outages every day	3.8	23	10.2	35
<b>Secondary Water Source</b>				
None	18.6	112	.0	0
Piped into dwelling	.2	1	.0	0
Piped into courtyard	1.7	10	6.4	22
Piped into neighborhood	14.0	84	17.7	61
Well in yard	.2	1	.6	2
Well outside the dwelling	1.5	9	.9	3
Public standpipe	5.8	35	2.9	10

	Past Dwelling	Current Dwelling		
	%	Count	%	Count
<b>Secondary Water Source (Cont.)</b>				
Tanker truck	21.3	128	14.0	48
Bottled water	14.1	85	23.8	82
Rainwater collection	6.3	38	3.5	12
Spring or river	4.5	27	4.9	17
Other	12.0	72	15.1	52
<b>Source of Drinking Water</b>				
Piped into dwelling	3.5	21	9.2	39
Piped into courtyard	2.0	12	2.1	9
Piped into neighborhood	7.1	43	3.5	15
Public standpipe	7.6	46	1.9	8
Tanker truck	3.8	23	.2	1
Bottled water	25.5	155	27.7	118
Spring or river	1.5	9	1.2	5
Kiosk / water seller	45.6	277	53.5	228
Other	3.5	21	.7	3
<b>Proportion with Safe Drinking Water</b>				
	64.1	386	72.6	304
<b>Frequency of Water Treatment</b>				
Always	92.2	202	96.6	112
Most of the time	5.0	11	2.6	3
Sometimes	2.7	6	.9	1
<b>Water Treatment Method</b>				
Boiling	1.4	3	.9	1
Add chlorine	85.6	184	95.7	110
Water filter	.9	2	2.6	3
Solar disinfection	10.2	22	.9	1
Other	1.9	4	11.7	45
<b>Type of Car Access</b>				
None	54.5	327	.0	0
Paved road	24.2	145	71.3	273
Partially paved road	9.2	55	4.2	16
Gravel road	4.3	26	6.5	25
Unpaved road	7.8	47	6.0	23
Other	54.5	327	.0	0

**Table B14a. Tenure and Housing Expenditures of Temporary Camps Households that Have Moved in the Last 18 Months**

	Past Dwelling		Current Dwelling	
	%	Count	%	Count
<b>Tenure</b>				
Owner	14.9	114	27.1	217
Renter	78.0	596	72.1	577
Farmer	6.9	53	.5	4
Other	.1	1	.3	2
<b>OWNERS</b>				
<b>Land Ownership</b>				
No	9.4	10	94.2	196
Owns the land	64.2	68	3.8	8
Controls the land	26.4	28	1.9	4
<b>Proof of Ownership</b>				
None	20.4	20	90.4	188
Notarized title	46.9	46	2.9	6
Sales receipt	21.4	21	.5	1
Living free of charge	7.1	7	5.3	11
Other	4.1	4	1.0	2
<b>Basis of Ownership</b>				
Household built dwelling w/ help from family/friends	35.6	32	35.0	57
Built by someone hired	5.6	5	.0	0
Purchased	27.8	25	1.2	2
Obtained for free	6.7	6	46.6	76
Provenance other than family	1.1	1	.0	0
Inherited	14.4	13	.6	1
Other	8.9	8	16.6	27
<b>Monthly Cost of ....</b>				
Electricity	599.31	108	47.54	199
Water	521.35	108	214.35	212
Cooking Fuel	1482.87	111	766.41	211
Garbage disposal	20.54	112	5.29	210
<b>Dwelling Value in U.S. Dollars</b>				
< \$20,000	57.6	57	98.8	169
\$20,001-\$30,000	28.3	28	1.2	2
\$30,001-\$50,000	9.1	9	.0	0
\$50,001-\$80,000	5.1	5	.0	0
> \$80,000	.0	0	.0	0
<b>RENTERS</b>				
<b>Monthly Rent (Including Subsidy)</b>				
	5187.64	568	260.39	178

**Table B14b. Tenure and Housing Expenditures of Temporary Camps Households that are Planning to Move in the Next Year**

	Current Dwelling		Future Dwelling	
	%	Count	%	Count
<b>Tenure</b>				
Owner	25.3	154	67.1	243
Renter	74.2	452	30.4	110
Farmer	.3	2	2.5	9
Other	.2	1	.0	0
<b>OWNERS</b>				
<b>Land Ownership</b>				
No	92.4	134	7.4	17
Owns the land	4.8	7	80.0	184
Controls the land	2.8	4	12.6	29
<b>Proof of Ownership</b>				
None	86.8	125	9.6	21
Notarized title	4.9	7	74.0	162
Sales receipt	.7	1	11.4	25
Living free of charge	6.9	10	3.7	8
Other	.7	1	1.4	3
<b>Basis of Ownership</b>				
Household built dwelling w/ help from family/friends	43.5	50	21.6	40
Built by someone hired	.0	0	7.6	14
Purchased	1.7	2	14.6	27
Obtained for free	45.2	52	41.6	77
Provenance other than family	.0	0	.0	0
Inherited	.0	0	3.8	7
Other	9.6	11	10.8	20
<b>Monthly Cost of ....</b>				
Electricity	63.61	144	284.52	165
Water	195.34	149	598.97	175
Cooking Fuel	657.52	150	1053.09	178
Garbage disposal	2.35	149	24.16	178
<b>Dwelling Value in U.S. Dollars</b>				
< \$20,000	95.7	110	49.7	78
\$20,001-\$30,000	4.3	5	25.5	40
\$30,001-\$50,000	.0	0	20.4	32
\$50,001-\$80,000	.0	0	4.5	7
> \$80,000	.0	0	.0	0
<b>RENTERS</b>				
<b>Monthly Rent (Including Subsidy)</b>				
	145.52	123	1919.84	58



## ANNEX C. REFERENCES

- BRIDES. 2011. *Enquête sur les besoins en logement dans l'Aire Métropolitaine de Port-au Prince en 2011: Rapport Méthodologique*. Port-au-Prince, Haiti: Report to Chemonics.
- Chemonics International. 2011. Support Development of a Government of Haiti-Led Action Plan for Expanding the Availability of Housing Finance: Analysis of the Enabling Environment for Housing Finance in Haiti. Washington, DC: Chemonics International, FS Share Project, Report to USAID.
- Deaton, A., and M. Grosh. 2000. "Consumption." In M. Grosh and P. Glewwe (eds.) *Designing Household Survey Questionnaires for Developing Countries: Vol. 1-Survey Design*. Washington, DC: World Bank, pp.91-134.
- International Housing Coalition. 2011. *Haiti Shelter Sector Assessment*. Washington, DC: author, processed.
- Magowan, J. 2011. "Prospects for Finance within the Micro-housing Value Chain in Haiti." Washington, DC: Report Prepared for the IFC, draft, processed.
- Nathan Associates. 2010. *Housing for Haiti's Middle Class: Post-Earthquake Diagnosis and Strategy*. Washington, DC: Report to USAID.
- Rosen, S. 1974. "Hedonics Prices and Implicit Markets: Product Differentiation in Pure Competition," *Journal of Political Economy*, vol.82, no.1, pp. 34-55.
- Schnare, A.B., and R. Struyk. 1976. "Segmentation in Urban Housing Markets," *Journal of Housing Economics*, vol 3. No.2, pp. 146-66.



**U.S. Agency for International Development**  
1300 Pennsylvania Avenue, NW  
Washington, DC 20523  
Tel: (202) 712-0000  
Fax: (202) 216-3524  
**[www.usaid.gov](http://www.usaid.gov)**