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**WELFARE AND POVERTY IN RURAL BURUNDI
RESULTS OF THE PRIORITY SURVEY – PANEL 2007**

Bujumbura, November 2009

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For ISTEETBU

**Nicolas Ndayishimiye,
General Director**

for the interuniversity team

**Prof. Dr.Philip Verwimp
Project Director**

Summary of the Report

This report analyses the evolution of welfare and poverty of rural households in Burundi using panel data for the 1998-2007 period. The approach allows to estimate the effect of civil war on household consumption. We re-interviewed original as well as newly formed households (split-offs) and we show that headcount poverty decreased by 3.5 % points when split-off households are taken into account and 1% when splits are left out. Over the 9 year period considered in this report, the poverty headcount in rural Burundi declined from 68.8% of all rural households to 65.3% taking split-off households into account. At the individual level, 73% of all Burundese lived in poverty in 1998, a figure that declined to 69% in 2007. This decrease of poverty by 3.5% (for households) and 4% (for individuals) points can be seen as a first, small but tangible peace dividend benefiting the rural population after the conflict. The result also corresponds with other studies that were carried out independently from the present report (e.g the 2006 Survey on Core Welfare Indicators). Poverty is persistent while prosperity is not, in particular in war-affected areas. We find that only 25% of poor rural households managed to escape poverty 9 years later. For split-offs this is 35%. As for the effect of civil war is concerned, 25 war-related deaths or wounded at the village level reduce consumption growth by 9%. We also find that membership of rebel groups increase consumption growth. Consumption growth is thus unequally distributed over the different parties to the conflict.

Apart from such war-related effects - and controlling for initial levels of consumption - we find that households with more split-offs fare better compared to those without splits and that the splits (the newly found households) themselves fare better than their original households, in particular when the splits come from poor households. Marriage and household formation thus seems to be a worthwhile economic strategy to move out of poverty in Burundi. We also observe large discrepancies between provinces in terms of the persistence of poverty and the escape from poverty. Households in richer provinces appear to send their children away from the commune of residence of the parents much more than households in poor provinces.

1. Introduction

The study of poverty in Africa is faced with two serious problems. First, the absence of longitudinal (panel) data and second the occurrence of violent conflict, hampering even more the collection of reliable, medium to long-term data. Burundi, a country in the heart of Africa has been cut-off from the international intellectual and academic community for far too long as a result of its 15 year civil war. The end of this war allowed the research community to engage again with Burundian partners. This report is the result of such engagement.

Few African countries, even peaceful ones, have a data base consisting of longitudinal household data, allowing researchers and policy makers to follow poverty over time. Thanks to the conservation of data collected in 1998 in both electronic and archival form, the Institute of Statistics and Economic Studies of Burundi (ISTEEBU) today possesses such longitudinal data.

The aim of this report is to present the principal findings of the 2007 survey. Given the nature of the violent conflict and its aftermath we were in particular interested in the effects of war-related violence on household consumption. Apart from this, the report also demonstrates that poverty research needs to include split-off (=newly formed) households since the baseline survey. The welfare level of these young households can serve as an indicator for the existence of a potential peace dividend.¹

2. The 2007 Panel Priority Survey: A Tracking Survey in Rural Burundi

The 2007 Panel Priority Survey (henceforth the 2007 survey) took place from July to October 2007 and was organized by an academic research team in cooperation with the Burundi Institute of Statistics and Economic Studies. The goal of the project was to examine the impact of violence and war on the socio-economic activity choices and welfare outcomes of Burundian households. Only by following the same units (households) over time we can study the individual responses to the war in a methodologically sound fashion. Since the

¹ For a detailed and extended discussion of the determinants of welfare in post-conflict Burundi, we refer to Verwimp, Ph and T.Bundervoet (2009). Civil War and the Welfare of Extended Households: Longitudinal Evidence from Burundi, Households in Conflict Network Working Paper 70. And Voors, M and E.Bulte (2008). Unbundling Institutions at the Micro-level: Conflict, Institutions and Income in Burundi, Households in Conflict Network Working Paper 49.

1998 survey was the most recent dataset containing complete socio-economic and agricultural information on a wide range of households, we decided to design the 2007 survey as a second wave of the 1998 survey. Proceeding in this way, we wished to construct a nine-year panel with two data points, 1998 and 2007.

We expected many practical problems in the field given the high incidence of war-induced displacement and mortality over the 1998-2007 period². We were unsure if we would find many original respondents in their 1998 village of residence. Given the specific goal of the survey, we introduced the “tracking-principle”, meaning that we obtained and registered all possible information on the current whereabouts of households or respondents that no longer lived in their village of 1998. We aimed to track and re-interview all members of the 1998 households as long as they lived in Burundi in 2007.

Due to budget limitations, it was impossible to try to track and re-survey all 6668 households and 32,591 individuals included in the 1998 survey. Since the war and the related insecurity have predominantly affected the rural areas, we decided to focus the 2007 survey only on the rural households. However, the 391 hills (accounting for 3908 rural households) visited in 1998 were still too large for our budget. Therefore, we decided to revisit 100 of the 391 baseline hills with the idea to track and re-survey as many of the 1000 original (1998) households as we could find. To choose which hills to revisit, we listed, per province all hills surveyed in 1998 and then picked each fourth hill until we selected 100 hills. Table 1 shows the provincial distribution of the hills and households selected for re-surveying. We excluded three rural provinces: Makamba (no data in 1998), Bubanza and Bujumbura rural (too much rebel activity).

Besides tracking and re-surveying the 1000 original households, we decided also to track and interview the new households (the so-called split-off households) that had been formed between 1998 and 2007 by members of the selected original households. For instance, if a person who was interviewed in 1998 got married in the mean time and constituted his/her own household (between the two surveys), this new household was tracked and surveyed³. Information about the whereabouts of these new households was obtained from

² The UNFPA (2002) survey showed that over half of the rural population had been displaced at least once between 1994 and 2002. We feared that many households would still be displaced and living in another province, maybe even another country.

³ The focus of the survey is on the *individual* rather than on the household: we wanted to track and resurvey all individuals that were in 1998 part of the 1000 selected households.

the original households.

In the months preceding the survey ISTEETBU and the team designed a 30-page household questionnaire. Next to the usual sections on education, health, fertility and households' production and consumption levels, the questionnaire obtained specific information about households' and individuals' adventures and misadventures during the war.⁴ We divided war-related shocks into two categories depending on whether the event affected the whole household (for instance theft of crops, loss of fields, destruction of house...) or mainly a specific individual (for instance loss of limbs, imprisonment...). We also included a section on migration and displacement over the 1998-2007 period. We also administered a community questionnaire in the 100 selected hills. Next to standard questions on infrastructure and demographics in the community, the questionnaire also obtained information on major war-related events in the community, such as confrontations between the army and rebel groups, violence-induced mortality, destruction of major assets.

Following a week of intensive training of the potential enumerators, we selected 50 persons based on a test of comprehension of the survey questionnaire. All our enumerators had a university degree and, given the sensitive nature of certain parts of the questionnaire, were at least 30 years old. The 50 enumerators were divided in 10 groups of 5 enumerators each. Each group was led by a permanent employee of ISTEETBU with extensive experience in data collection. As such, all survey teams consisted of seven persons: five enumerators, one team leader and one driver. Each survey team was regularly visited by supervisors in the field. The later were senior ISTEETBU staff as well as the four academic researchers. In this manner, each questionnaire was checked twice, once by the team leaders and once by the supervisors, in order to guarantee maximum data quality.

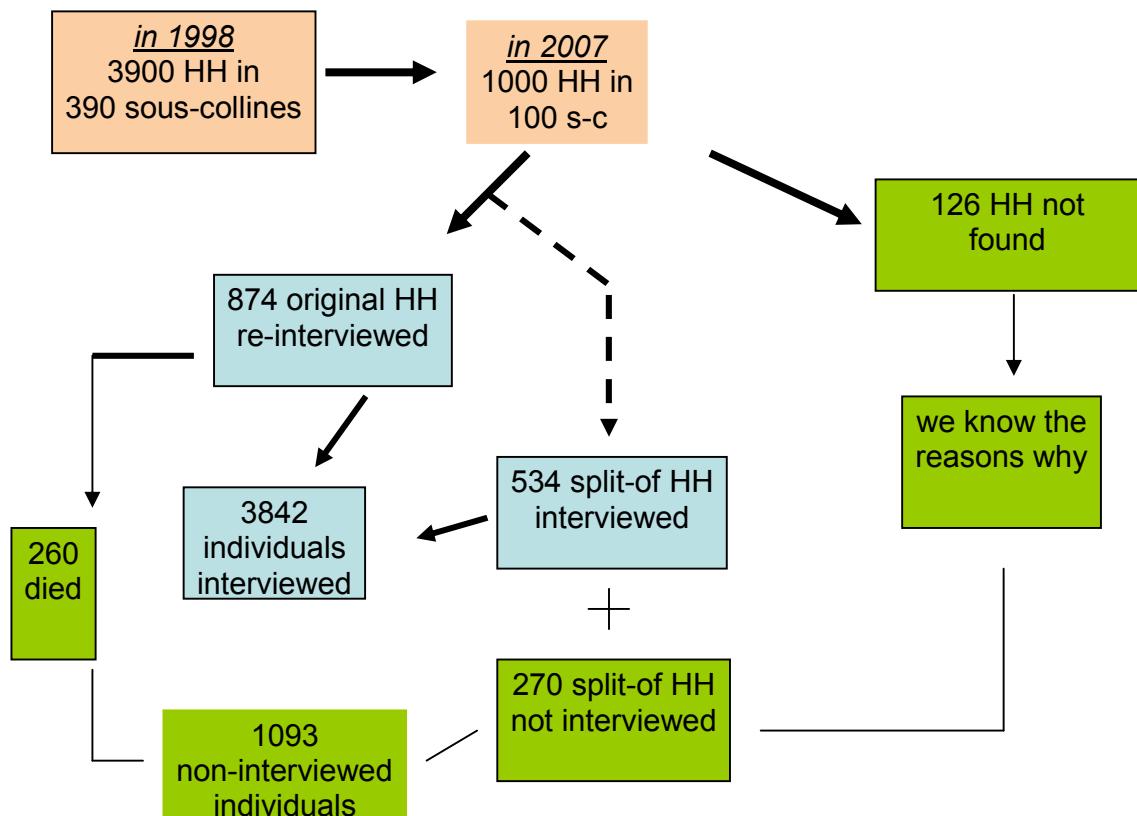
⁴ This is limited to the 1998-2007 period. We did not obtain household level information on what happened before 1998 .

Table 1: Distribution of Original Survey-Sites and Households in the 2007 Survey

Province	Number of Original Hills	Number of Original Households
Bururi	9	90
Cankuzo	5	50
Cibitoke	5	50
Gitega	1	130
Karuzi	8	80
Kayanza	11	110
Kirundo	7	70
Muramvya	4	40
Muyinga	9	90
Mwaro	7	70
Ngozi	11	110
Rutana	5	50
Ruyigi	6	60
Total	100	1000

Notes: Original survey-sites are survey-sites that were visited and surveyed during the 1998 survey. The last column shows the number of original (1998) households to track and resurvey (10 households per hill). Source: Author's calculations.

Figure 1: Research Design, Sample and Attrition in the 1998-2007 Household Panel



The fieldwork was conducted in three phases: during the first phase, each of the ten survey teams visited five hills to track and re-interview 50 original households, based on the 1998 records. This first phase took place in the southern and central provinces of the country. Half of all selected hills were surveyed during this phase. The interviewers were also asked to write down the current location of all 1998 household members who were not living in the village any longer. The second phase was identical to the first one, but concerned the northern and eastern provinces. During the third phase, we tracked and interview all the split-off households that were identified during the first two phases. Pooling the tracking into one phase allowed for greater efficiency in times of space and time. This third phase concerned the whole country (the split-off households that had moved to the capital city of Bujumbura were also tracked and surveyed)⁵. During this phase, the team leaders also administered a community survey in the 100 original (1998) hills.

Table 2: Original Households Found and Resurveyed during the 2007 Survey

Province	Number of Original Households to Track and Resurvey	Number of Original Households Found and Resurveyed	Resurvey Rate (%)
Bururi	90	85	94.4
Cankuzo	50	43	86.0
Cibitoke	50	44	88.0
Gitega	130	112	86.2
Karuzi	80	77	96.3
Kayanza	110	96	87.3
Kirundo	70	55	78.6
Muramvya	40	36	90.0
Muyinga	90	79	87.8
Mwaro	70	62	88.6
Ngozi	110	89	80.9
Rutana	50	44	88.0
Ruyigi	60	52	86.7
Total	1000	874	87.4

Notes: An original household was considered “found” if we were able to locate at least one original household member and if the current household head said that the household was formed before 1998. Data source: ISTEETBU, 2007.

⁵ However, 3 split-off households that had moved to the western provinces of Bubanza and Bujumbura rural were not interviewed due to insecurity and rebel activity in those regions. The newly formed households that no longer lived in Burundi were not interviewed either.

Table 2 shows the results of the first two phases of the 2007 survey (the 1000 original households). Overall, we managed to track and re-survey 874 of the 1000 original households. The proportion of resurveyed households is relatively stable across provinces, with Karusi having the highest resurvey rate (96%) and Kirundo the lowest (79%)⁶. A total of 126 original households could not be found. We managed to obtain information on 113 of those households. Ranked by prevalence, the most common reasons for not interviewing an original household are:

- (1) all original household members are dead (24.8%)⁷ ;
- (2) the household has moved to another place but nobody knows where (22.1%) ;
- (3) the household has disappeared suddenly and nobody knows its current whereabouts (21.2%) and ;
- (4) the household has dissolved (for instance, the parents died and the children went their separate ways).

Table 3 gives the overview for the whole survey. In total 1408 households were interviewed, of which 874 original and 534 split-off households having 6826 members. In the Appendix of this report we perform an analysis of attrition in the second round of the survey in order to find out if there is a problem of selectivity bias between the interviewed and the drop-out households.

Table 3: Total Number of Households and Individuals Surveyed during the 2007 Survey

Province	Number of Surveyed Households	Original Households	Split-Off Households
Total # of Households	1408	874	534
Total # of Individuals	6826	4862	1964

Source: ISTEUBU, 2007.

⁶ A recent famine in Kirundo caused substantial migration to neighbouring Rwanda.

⁷ This mostly concerns households with only one or two old members in 1998 who died during the 1998-2007 period.

3 Descriptive Statistics from the 2007 Survey

3.1 The Panel Individuals

3.1.1 Mortality, 1998-2007

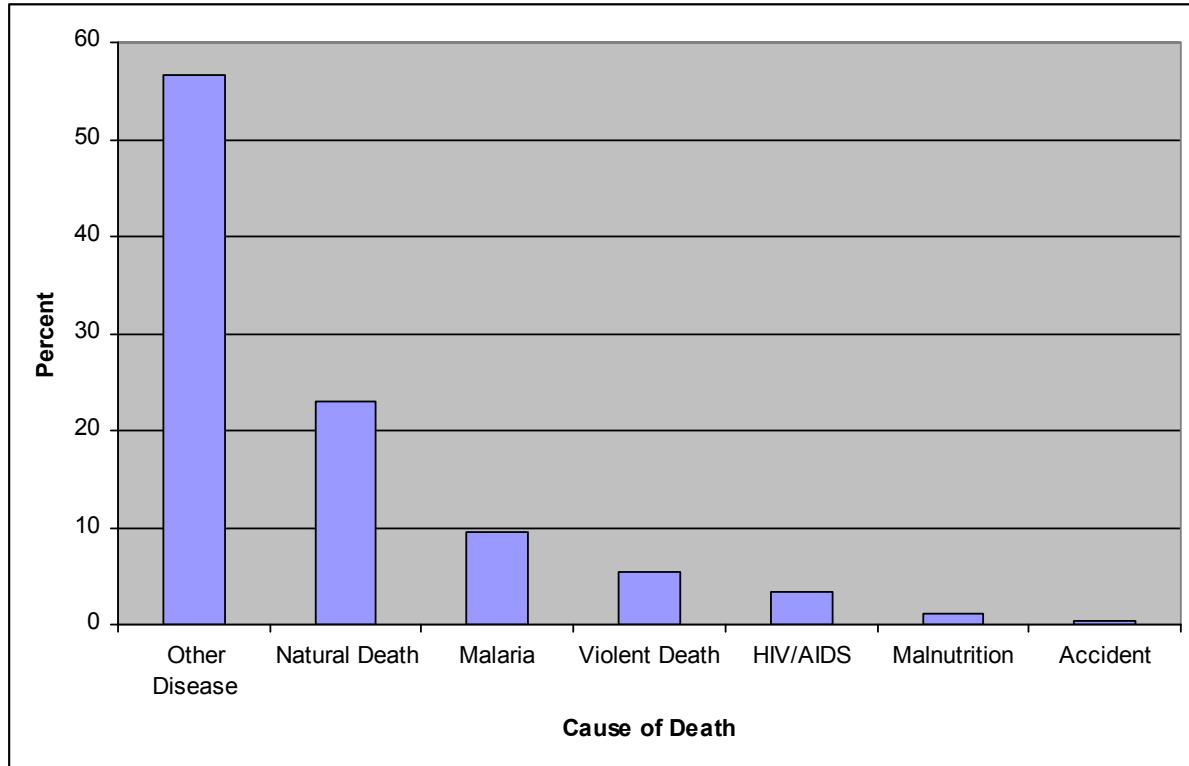
The 1000 households selected for re-interviewing in the 2007 survey (see Table 1) consisted of 4902 individuals in 1998. 446 individuals lived in the 126 households that were not found in 2007. We do not have certainty concerning the fate of these 446 individuals, but the existing information suggests that about half of them deceased while we were not able to trace the remaining half.⁸. The 874 households that were found during the 2007 survey accounted for 4456 individuals in 1998 (4902 minus 446). We managed to track and re-interview 3842 of the 4456 individuals. These 3842 individuals constitute the panel-element in our data. 3307 of the original individuals still lived in their original household while 535 lived in a new (=split-off) household⁹. Figure 2 shows the cause of death of the 260 persons who belonged to the re-interviewed households and who died between the two survey rounds. 56.7 percent of these deaths were caused by a disease other than malaria and HIV/AIDS. Malaria was the cause of death in 9.6 percent of the cases and HIV/AIDS in 3.4 percent. 23 percent of individuals died of natural causes. Finally, 5.4 percent suffered a violent death (killed during the war).

Table 4 disaggregates causes of death by the age of death. We observe that violent death has a more than average incidence within the 16 to 50 age-interval. 17.6 % of men within this age interval died a violent death, most probably related to the civil war. The high incidence of natural death within the 6-15 and the 16-30 age interval is puzzling. Boys between 6 and 15 years of age usually do not die “naturally”, neither do healthy men between 16 and 30 years of age. Because of the taboo on HIV/AIDS in rural Burundi, we expect underreporting of this as a cause of death, explaining the higher incidence for other causes of death.

⁸ Unfortunately, we do not know the reason for their decease.

⁹ In one instance, a son of a selected original household had married a daughter of another selected original household. Hence there are 535 panel individuals living in 534 split-off households.

Figure 2: Mortality of Panel Individuals, 1998-2007



Data source: ISTEUBU, 2007

Table 4: The Causes of Death Disaggregated by Age, 1998-2007

Cause of Death	≤ 5	$6 \leq . \leq 15$	$16 \leq . \leq 30$	$31 \leq . \leq 40$	$41 \leq . \leq 50$	$51 \leq . \leq 60$	> 60
Malaria	13.8	7.8	13.6	3.8	11.4	11.5	6.2
HIV/AIDS	0.0	2.0	2.3	11.5	5.7	0.0	4.2
Other Disease	65.5	66.7	47.7	65.4	48.6	42.3	58.3
Natural Death	17.2	17.6	25.0	11.5	20.0	42.3	29.2
Violent Death	0.0	2.0	9.1	7.7	11.4	3.8	2.1

Source: ISTEUBU, 2007. Author's calculations.

3.1.2 War-Related Shocks, 1999-2007

Table 5 shows the incidence of war-related shocks between the two survey rounds. In the questionnaire, we made a distinction between individual shocks and household shocks. While the individual shocks are inherent to the individual (e.g. loss of body functions or parts, kidnapping...), the household shocks are events that essentially impact the whole household, such as the destruction of the household's house or the theft of important household assets or goods (livestock, crops...). The percentages in Table 5 concern the individual shocks of the 3842 panel respondents.

Individual shocks are rare except for the categories of "forced labour", "violence and torture", and "rebel taxation". There are however considerable differences according to gender and age. The individuals are grouped into age intervals according to their age in 1998 (during the 1998 survey). We find that in the full sample, 2.1% of the panel respondents lost an important body function or body part due to the war. This proportion rises considerably in the three oldest age groups (from 26 years up). For instance, in the 26-35 age interval, 5.9 % of men lost a body part or body function due to the war. It is possible that this age group corresponds to the age of rebel fighters, who have of course a higher probability of being exposed to violence. The high incidence of this shock among the oldest respondents is somewhat surprising, but can probably be explained by the effects of aging on overall health. Older people can for instance respond that they were not able to receive a decent treatment as a result of the war, in which case they attribute their condition to the war.

In our sample, 1.9 % of all individuals were ambushed at least once between the two survey rounds. The incidence of this shock is highest for persons who were between 36 and 50 years of age in 1998, both for men and for women. Overall, men were ambushed more often than women. Road ambushes by rebel groups were (and still are) frequent in Burundi. Victims of road ambushes are stripped of all their belongings but are usually left unharmed. Most ambushes take place when farmers go to the marketplace to sell their produce or return from the market with money in hand. Rebels also frequently ambush cars and trucks on the major roads leading to Bujumbura. Drivers had to pay a fixed amount of cash in order to pass unharmed.

The next shock in Table 5, kidnapping, did not happen to a lot of people in our sample. Overall, "only" 1.4 % of all respondents have been kidnapped between 1998 and 2007. According to testimonies gathered by Human Rights Watch (1998), rebels occasionally captured men to perform all kinds of tasks in their bases in the Kibira forest. These tasks ranged from collecting firewood, fetching water and cooking meals to carrying heavy loads over large distances. In our sample, 5% of men in the 17-25 age interval, 4.4% in the 26-35 interval and 6% of men in the 36-50 age interval were kidnapped at some point between 1999 and 2007. Usually, these "prisoners" were not released but managed to escape at some point during their kidnapping (Human Rights Watch, 1998).

During the war many rural farmers were forced to work both for the rebel groups

and the army forces. This forced labour was unpaid and frequently exposed the victims to potentially dangerous situations (for instance the transportation of heavy armour from one rebel position to another; if this was spotted by government soldiers, they would immediately open fire on the alleged “rebel supporters”). In our sample, 9% of men reported having being forced to work for rebel or army soldiers. This rises to 19.2% for men who were between 17 and 25 years of age in 1998 and 16.5% for men between 26 and 50 years old. Note that a non-negligible proportion of women was also forced to perform unpaid work (6% in the 17-25 age interval). In our sample, 4.9% of respondents suffered from violence or torture over the 1999-2007 period. The proportion of people who suffered from direct violence increases with each age group except for the oldest one. In the 36-50 age interval, over 10% of respondents suffered from physical violence since 1998. In each age group, men were more exposed to violence than women. However, since we did not explicitly ask for rape victims (to avoid trauma during the interview), it is likely that violence on women is underreported.

Table 5: Incidence of Individual War-Related Shocks Disaggregated by Age and Sex, 1999 - 2007

	Lost Important Body Function	Road Ambush	Kidnapping	Forced Labour	Violence/Torture	Rebel Taxation (Forced)	N
All Individuals	2.1	1.9	1.4	5.8	4.9	7.6	3811
Male	2.0	3.7	2.5	9.0	7.5	10.9	1832
Female	2.2	0.3	0.4	2.8	2.5	4.6	1979
10 ≤ . ≤ 16	0.9	1.7	1.4	6.4	3.9	3.5	768
Male	0.5	3.1	2.6	9.2	6.4	4.8	392
Female	1.3	0.3	0.3	3.5	1.3	2.1	375
17 ≤ . ≤ 25	1.3	3.9	2.5	12.2	8.1	13.1	558
Male	1.9	8.1	5.0	19.2	12.7	21.2	260
Female	0.7	0.3	0.3	6.0	4.0	6.0	298
26 ≤ . ≤ 35	5.3	2.8	2.8	10.6	8.5	17.3	433
Male	5.9	5.4	4.4	16.6	13.7	24.9	205
Female	4.8	0.4	1.3	5.3	3.9	10.5	228
36 ≤ . ≤ 50	4.8	4.1	3.0	8.8	10.1	18.0	434
Male	4.9	8.8	6.0	16.5	15.4	28.6	182
Female	4.8	0.8	0.8	3.2	6.3	10.3	252
> 50	6.3	1.7	0.4	2.9	5.9	14.6	239
Male	5.1	3.4	0.8	5.1	10.2	18.6	118
Female	7.4	0.0	0.0	0.8	1.7	10.7	121

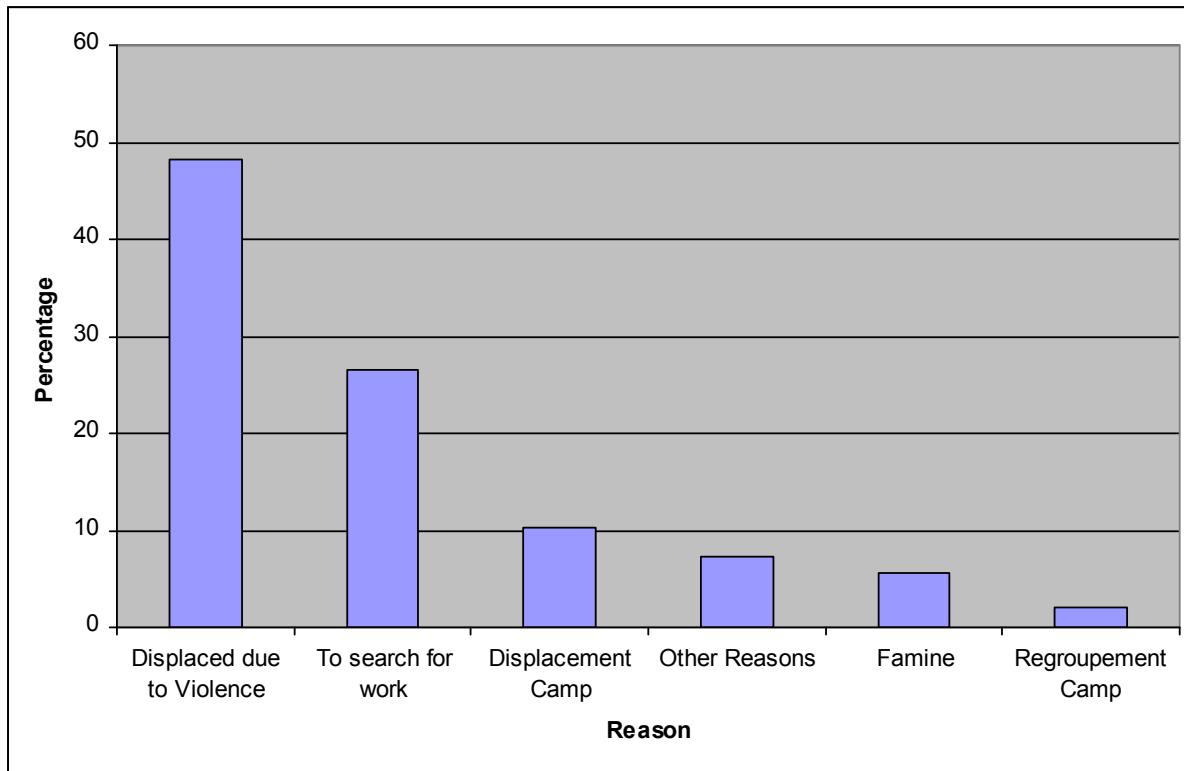
Source: ISTEETU, 2007. Author's calculations.

Finally, 7.6% of respondents have been subjected to forced rebel taxation between 1998 and 2007. Taxation of civilians is one of the means through which rebel organizations finance their operations. In order for a rebellion to be sustainable, rebel fighters have to be paid and their families fed, and armour and cars have to be bought or stolen. Although civilians were asked to contribute on ideological grounds, their contribution was essentially forced. If civilians refused to contribute, their assets were simply stolen or even worse, they were killed. The figures in Table 5 suggest a clear pattern of taxation of economic activity: the incidence of taxation in the youngest age group is relatively low, given the absence of a tax base (most young people lack money or assets to be taxed); persons in the next age group (17-25) already have accumulated some wealth, hence the incidence of taxation of 13.1%. In the subsequent age groups the incidence of taxation continues to increase, as persons usually accumulate more wealth (and thus a higher tax base) during the lifetime. Note that 28.6% of men between 36 and 50 years of age (in 1998) had been subjected to forced taxation between 1998 and 2007. In the oldest age group, the incidence of taxation decreases somewhat. This should not be surprising, since the oldest people already have transferred considerable parts of their wealth (and land) to their married sons.

3.1.3 Temporary Migration, 1999-2007

For the 2007 survey, we defined temporary migration as an absence from the *rugo* (the family house) of more than three months. Every respondent was asked about his/her temporary migrations between 1999 and 2007. If a household member had left the household between 1999 and 2007 and had not returned yet, this was not considered a temporary migration, as the person might never return. Overall, 10% of the panel individuals (384 of 3842) have migrated temporarily at least once between 1999 and 2007. Figure 3 shows the reasons for leaving the home. Almost half of the respondents who migrated between 1999 and 2007 did so to flee the violence in their home region. These persons fled from their homes but did not enter refugee camps. Relatively more women (59.9%) than men (41.7%) migrated to flee the violence at home. Usually, the women and the little children moved to a safer place while the male head of households and his older sons stayed at home to cultivate the fields and guard the family property. 26.6% of respondents temporarily left the *rugo* to look for work in other regions. Unsurprisingly, relatively more men (39.3%) than women (3.6%) left the home to search for work. About 10% of panel respondents who left the home between 1998 and 2007 entered a displacement camp. Again, this percentage is considerably higher for women (16.1%) than for men (6.9%). Almost 6% of respondents temporarily moved away to escape the famine in the home region. Finally, 11 panel individuals were forced to live in a regroupment camp.

Figure 3 Causes of Temporary Migration between 1999 and 2007



Source: ISTEETBU, 2007

Overall, the mean duration of absence of the respondents who left their home between 1999 and 2007 amounts to 19.7 months. The duration of absence differs sharply across the reasons of absence: if a person moved away to look for work, the average duration of absence amounted to 14 months, while a person fleeing the violence was away for over two years on average¹⁰. Most people who fled the violence lived in another country (mainly Tanzania) while they were displaced (36.4%). 36.1% moved temporarily to another village within the same commune, while 16.2% changed communes but stayed within the province of residence. Finally, 10% moved away to another province but stayed in Burundi.

¹⁰ Note the potential welfare-effects of violence-induced migration, as those people were not able to cultivate their fields for over two years .

3.2 The Panel Households

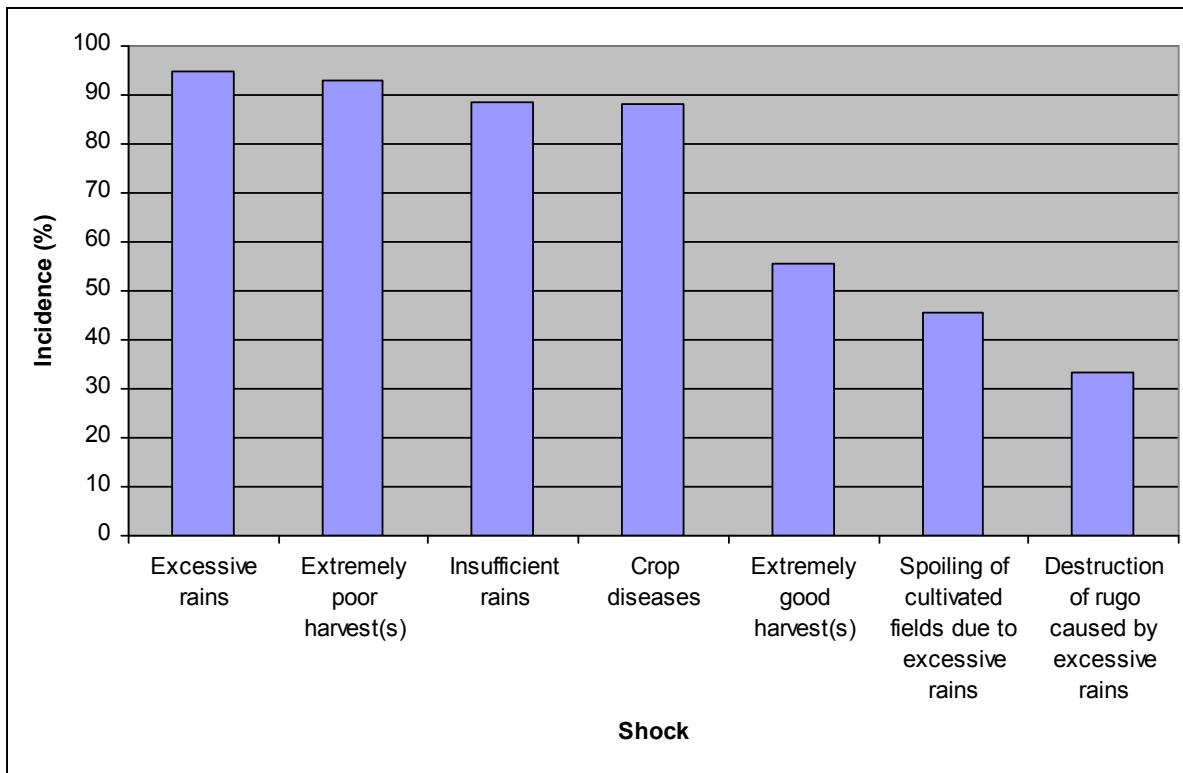
3.2.1 Economic, Climatic and War Shocks, 1999-2007

Next to individual shocks, the 2007 survey obtained information on shocks that potentially affect the welfare or well-being of the entire household. We considered three types of household shocks: shocks related to weather conditions, to the war, and to the prevailing economic conditions. Figure 4 shows the incidence of climatic shocks between 1999 and 2007. Inherent for a country that is so dependent on the weather, climatic shocks are very prevalent. Almost all the panel households (94.7%) reported at least one year of excessive rains between the two survey rounds. 33.3% of households reported that excessive rains destroyed (parts of) their *rugos* and 45.5% reported that mudslides washed away their fields and crops on at least one occasion between 1999 and 2007¹¹. 12% of households had their fields washed away by excessive rains during two years between the survey points, while an unfortunate 4.5% lost their harvests on three occasions. Related to this (and to the high prevalence of insufficient rains) is the high prevalence of harvest failures between 1999 and 2007: 93% of panel household had at least one year of extremely poor harvests between the two survey rounds. Over a third of households (37.5%) reported an extremely bad harvest on three occasions (three years) between 1999 and 2007. The recent years in Burundi have been characterized by the rapid spread of crop diseases affecting primarily the harvest of cassava and sweet potatoes. 88% of the panel households had been confronted with such diseases between the survey waves. As a positive shock, 55.5% of households reported having at least one unusually good harvest between 1999 and 2007.

Figure 5 shows the incidence of war shocks at the level of the household. 21% of panel households experienced theft of money at the *ruago* between 1999 and 2007. Theft of crops in the field was a lot more prevalent with over 41% of households being the victim of this event. After fleeing a rebel or army attack, farmers often returned home and found that their harvests had been stolen from their fields (Human Rights Watch, 1998). 21% of household had their harvests stolen on more than one occasion. The looting of household assets (especially livestock) was also common practice during the war. Almost 25% of households in our survey had been the victim of asset theft between 1999 and 2007.

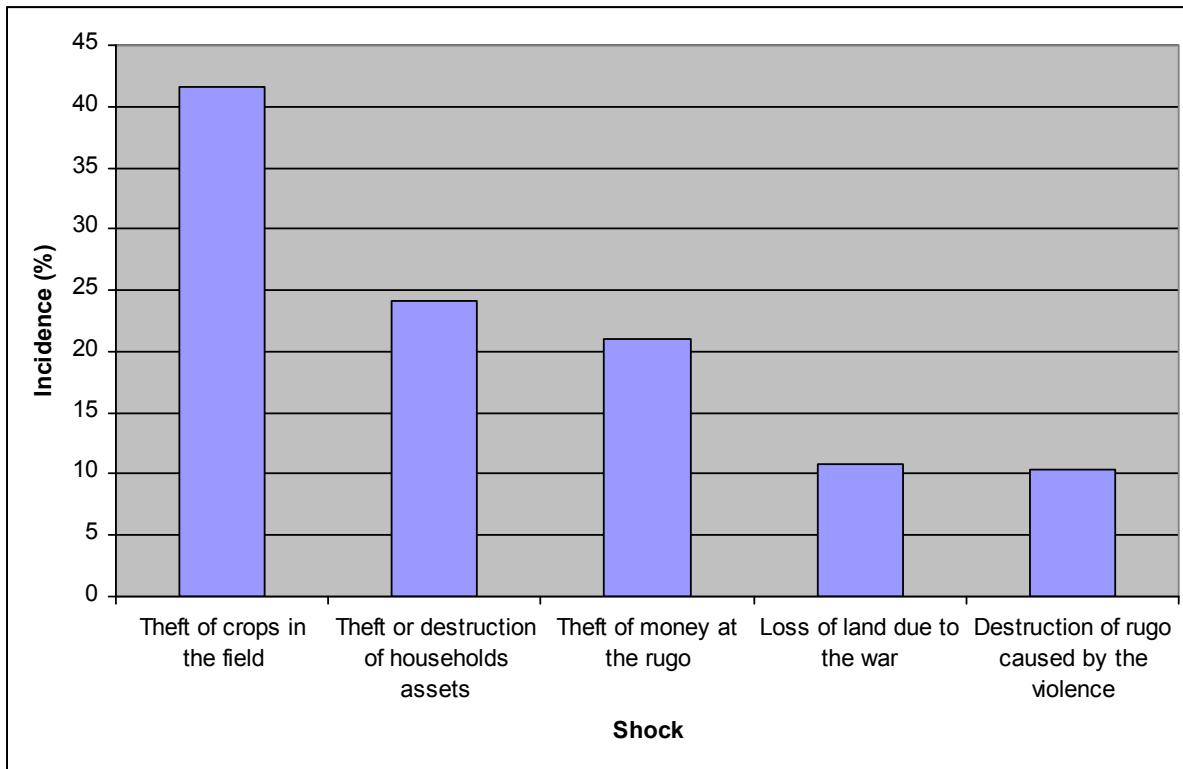
¹¹ Especially the *rugos* that are built on slopes are vulnerable for rain-induced destruction. Excessive rains cause mudslides that sweep away houses and cultivated fields on their way down. Following excessive rains in January 2007, thousands of homes were destroyed in mudslides leaving an estimated 23,000 persons homeless. The mudslides caused such big damages to the harvests that the World Food Program (WFP) estimated that 800,000 persons were in urgent need of food assistance. More recently, heavy rains in April 2008 destroyed 1000 houses in the north-western province of Cibitoke, leaving thousands without shelter or food (OCHA, 2008).

Figure 4: Incidence of Climatic Shocks, 1999-2007



Data source: ISTEETBU, 2007

Figure 5: Incidence of War-Related Shocks, 1999-2007



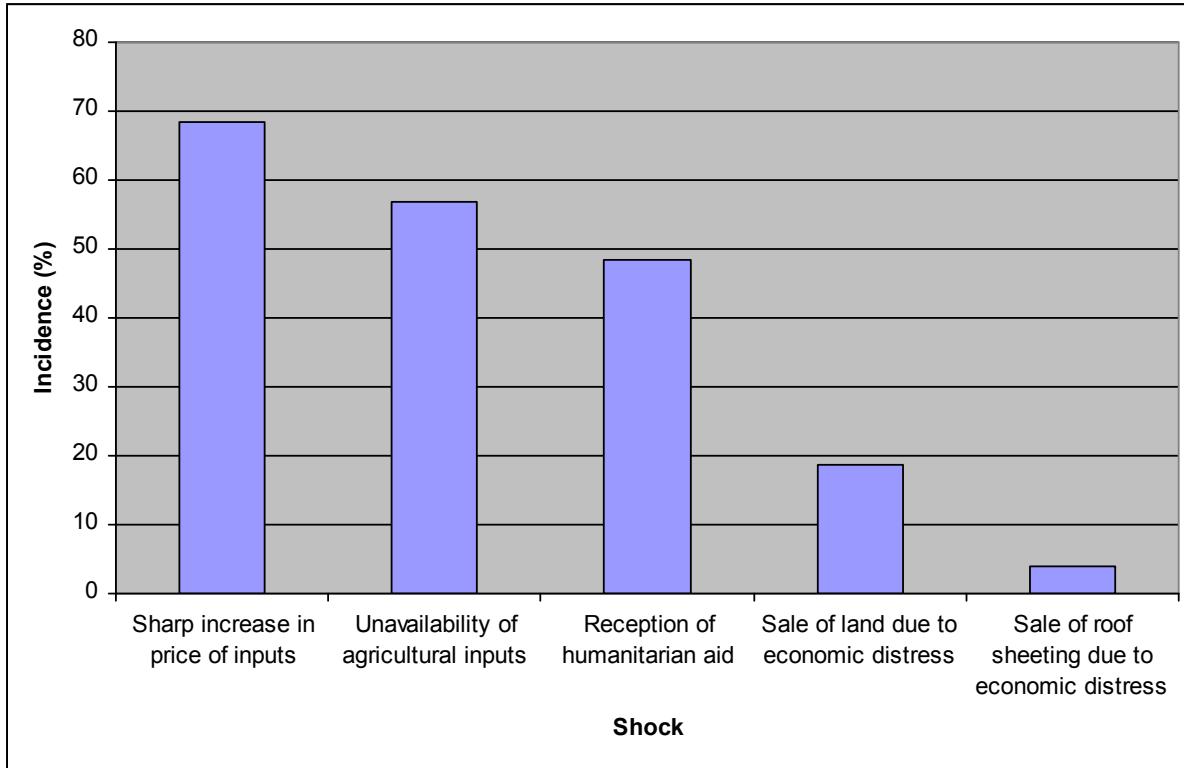
Data source: ISTEETBU, 2007

Over 10% of the households in our panel study experienced the destruction of their home between 1999 and 2007. The destruction of *rugos* was also part of the regroupment policy, in order to prevent farmers from fleeing the camps and returning home. Soldiers also frequently took the metal roof sheeting from abandoned houses to sell it on the black market. Finally, almost 11% of households lost some of their fields - the most important capital asset in rural Burundi - due to the violence. Although we do not have information on the reasons for land loss, it is known that rebels occasionally confiscated fields and houses for their own use.

Let us return for a moment to the forced taxation mentioned in Table 5. Although this was included as an individual shock in the questionnaire, we know that it takes place at the household level. Only one member of a household is taxed, usually the household's head. This person pays for the whole household. Aggregated at the household level, we find that 23% of panel households had to pay contributions to various rebel groups. The average value of the contributions over the 1999-2007 period amounts to BIF 11,846 per household (BIF: Burundian Francs). Although it is not possible to express this figure in a constant price (we do not know in what year what amount was paid), it proxies the level of consumption of one month of the median rural household in 1998.

The prevalence of important economic events is shown in Figure 6: 57% of households experienced the unavailability of important agricultural inputs (chemicals, fertilizers) between 1999 and 2007. For 68.5% of households inputs were available but unaffordable. As a positive economic shock, 48.5% of households received humanitarian aid at least once between the two survey rounds. 15.1% of households received aid for two years between 1999 and 2007, while almost 12% received aid for three years. The remaining two events in Figure 6 are coping strategies rather than shocks. Almost 20% of households had to sell (parts of) their fields in order to survive. In Burundi, the sale of fields is a last resort given the extreme scarcity of land and the crucial economic and social importance of owning land. 4% of households sold their roof sheeting to obtain money.

Figure 6: Incidence of Economic Shocks, 1999-2007



Data source: ISTEETBU, 2007.

3.2.2 Subjective Appreciation of Welfare, 1998 – 2007

The individual and household shocks mentioned in the preceding subsections are bound to have had an impact on household welfare. During the 2007 survey, the panel households were asked to position themselves on a subjective welfare ladder ranging from very rich to very poor. ‘Subjective’ meaning in this context from their personal point of view, as compared to the more ‘objective’ measurement of expenditures used later on in the report. We asked the households to rank themselves on three points in time, being 1993 (before the war), 1998 (during the war) and 2007 (after the war). Table 6 shows the results of this subjective welfare appreciation. Before the war broke out in 1993, only 21% of panel households considered themselves as poor. By 1998, this had increased to 46.7%. During the 2007 survey, 64.5% of households thought of themselves as being poor. Note in particular the sharp increase in the proportion of households that consider themselves very poor (from 7% in 1998 to 24.7% in 2007).

Table 6: Evolution of Subjective Welfare of Original Households 1993-2007

Subjective Welfare Scale	1993 (Before the War)	1998 (During the War)	2007 (After the War)
Very Rich	12 (1.4%)	3 (0.3%)	1 (0.1%)
Rich	74 (8.5%)	20 (2.3%)	21 (2.4%)
Comfortable	222 (25.4%)	94 (10.7%)	72 (8.2%)
Just Able to Manage	382 (43.8%)	350 (40.0%)	217 (24.8%)
Poor	157 (18.0%)	348 (39.7%)	349 (39.8%)
Very Poor	26 (3.0%)	61 (7.0%)	216 (24.7%)
Subjective Poverty Rate	21.0%	46.7%	64.5%
N	873	876	876

Table 7: Mobility Matrix of Subjective Welfare of Original Households 1998-2007

1998	2007	Rich	Comfortable	Just able to Manage	Poor	Very Poor	Total	Fallen into Poverty (percent)	Escaped from Poverty (percent)
Rich	6	3	5	6	3	23	39.13	--	
Comfortable	8	7	52	18	9	94	28.72	--	
Just Able to Manage	6	53	45	211	35	350	70.29	--	
Poor	2	9	110	84	143	348	--	34.77	
Very Poor	0	0	5	30	26	61	--	8.20	
Total	22	72	217	349	216	876	60.38	30.81	

Table 7 shows the movements in and out of (subjective) poverty between 1998 and 2007. Overall, 60.4% of households who did not consider themselves poor in 1998 did so in 2007. This is especially due to the downward mobility of households that were just able to manage in 1998. This category of households is particularly vulnerable since even a minor drawback can suffice to push them into poverty. In 1998, 350 of our panel households were just able to manage. By 2007, 246 of them had fallen into poverty or extreme poverty. Upward economic mobility between 1998 and 2007 was less frequent but occurred: of the 348 households that considered themselves poor in 1998, 121 had managed to escape their poverty by 2007 (34.8%). The proportion of households that fell into poverty is however twice as large as the proportion that escaped it (60.4% vs. 30.8%).

3.3 The Panel Villages: War Shocks

In 2007, we surveyed 100 villages that had also been surveyed in 1998. 61 villages had been the scene of war-related violence between 1993 and 2007 (40 of them in the 1993-1998 period only and 21 of them up to 2007). In those villages, rebel or army attacks claimed an estimated 222 lives. 231 persons were wounded during the attacks. Table 8 summarizes the material destruction caused by the attacks in those villages. Overall, rebel or army attacks destroyed 4374 houses, 11 churches, 3 health centres and 13 schools, of which the bulk before 1998.. Between 1998 and 2007, 33 villages were visited by rebel groups looking to recruit young men from the village. Overall, the rebels managed to recruit 766 persons from these 33 villages between 1999 and 2007. In almost half of the villages (46.7%), recruitment was voluntary. In 31.7%, young men were forced to join the rebellion. In the remaining villages, recruitment was sometimes forced and sometimes voluntary

**Table 8: Destruction of Facilities in the Panel Villages, 1993-2007,
61 villages affected of which 21 up to 2007**

Destruction of	Total number
Houses	4374
Churches	11
Health Centres	3
Schools	13

Source: ISTEETBU, 2007. Author's calculations.

4 Welfare and Poverty Transitions, 1998-2007

4.1 Welfare Evolution of the Original Households

In this report we define poverty as the lack of purchasing power to consume basic necessities (food and non-food) to enjoy an active life in the society where one lives. This definition is commonly used in economic analysis of welfare and poverty throughout the world. The basket of food 'basic necessities' is defined as the value, in local currency of 2500 Kcal per adult per day and is defined as the food poverty line. This basket is composed of the food items consumed by those households whose expenditures are in the bottom 60% of the distribution. The latter is done to avoid calculating the food poverty line based on the consumption pattern of the rich. To this value of 2500 Kcal we add the amount of non-food expenditures of households whose total expenditures are equal to the food poverty line. The non-food expenditures of these households are indeed considered necessary in the sense that these households are prepared to consume less food (below the food poverty line) in order to purchase some non-food items. The sum of the food and non-food expenditures is termed the poverty line.¹²

Table 9 shows the 2007 consumption expenditures per adult equivalent of the 872 original households with complete consumption data who were interviewed in both rounds.¹³ The average consumption per adult equivalent of the 872 panel households amounted to BIF 16,789.85 per month during the 2007 survey. This translates in USD 14.47 using the October 2007 official exchange rate or about 0.5 US dollar per day. We find considerable differences across provinces: households in Bururi had an average consumption level that exceeded three times the consumption of households in Ruyigi. As the figures in the first column of Table 9 are not comparable with the 1998 consumption levels in column two, the third column expresses the 2007 consumption levels in constant 1998 prices. Average consumption per adult equivalent of the panel households increased by over 13 percent between 1998 and 2007 (from BIF 7,084 in 1998 to BIF 8,033 in 2007). However, the 2007 average consumption level of BIF 8,033.42 (in 1998 prices) still falls short of the poverty line (BIF 8,173.15). A salient feature of Table 9 is that despite the 13% increase in average consumption, the incidence of poverty decreased by only one percentage point. While in some provinces poverty levels among the panel households declined drastically (for instance in Bururi and Muyinga), panel households in other provinces have been confronted with a substantial increase in poverty between 1998 and 2007 (for instance Kirundo, Ngozi and Muramvya). Poverty

¹² Food items can either be bought, produced for self-consumption or received as present.

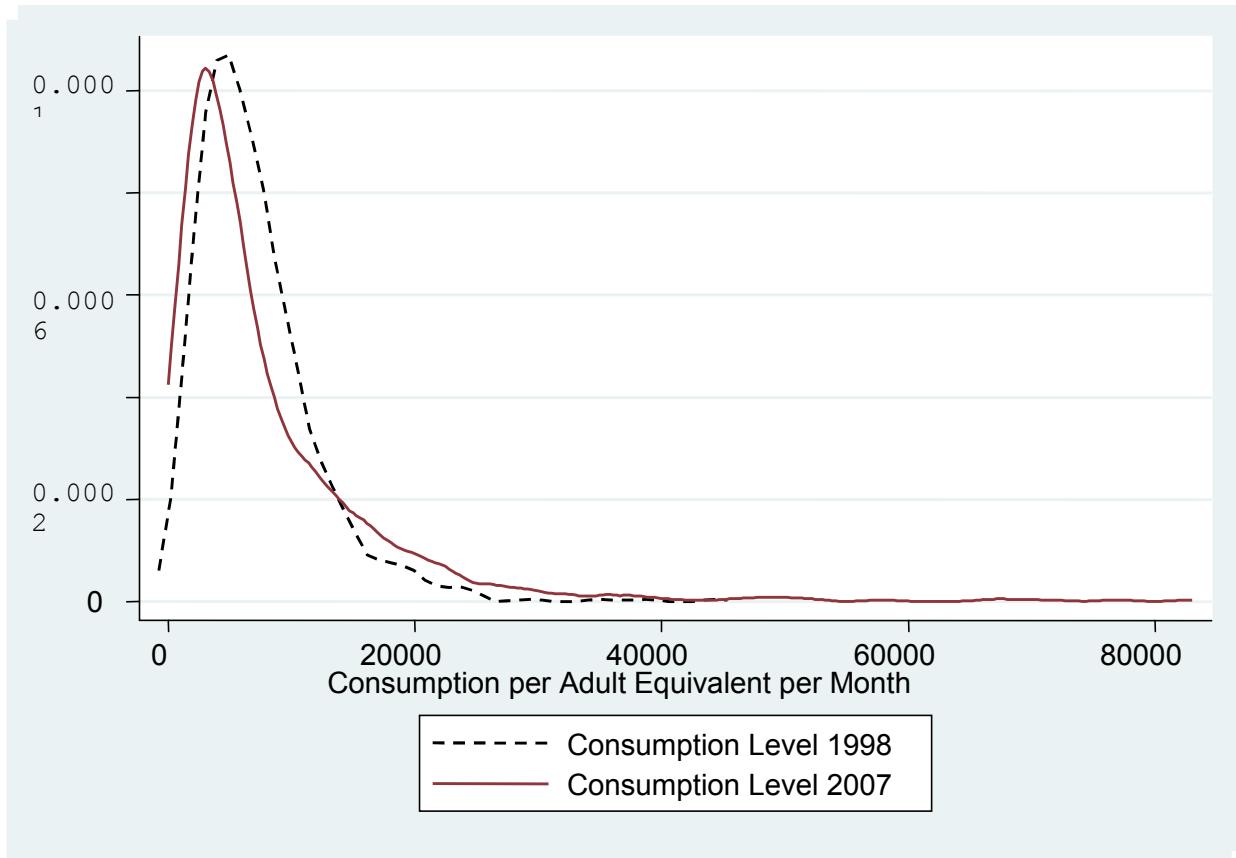
¹³ The consumption of two of the 874 original households was not measured.

is persistent (in 1990, 1998 and 2007, see Figure 8). Higher average consumption levels do not necessarily translate into lower poverty levels: although on average the panel households in Cankuzo have increased their consumption levels by almost 31%, poverty incidence has *increased* with over two percentage points. This suggests a greater inequality in the distribution of consumption.

Figure 7 shows the change in the distribution of consumption levels between 1998 and 2007. While there are more households with high or very high consumption levels in 2007 than in 1998, there are also more households that have to manage with lower levels of consumption. The mode of the distribution is lower in 2007 than in 1998. The overall picture is one of a 13% increase in average consumption levels but a 16% *decrease* in the median consumption level: while the median consumption level of the 872 panel households amounted to BIF 6,119.89 in 1998, it fell to BIF 5,151.16 in 2007. The pattern in Figure 1 is mirrored by the evolution of the Gini-coefficient of consumption per adult equivalent: in 1998, the Gini-coefficient among the panel households amounted to 0.33. In 2007, this had risen to 0.44. This confirms the sharp increase in inequality of the 1998-2007 period. Overall, 54.1% of panel households had a lower consumption level in 2007 than in 1998. The shift in the distribution of consumption levels translates in a rising incidence of extreme poverty or food poverty. While the overall poverty headcount dropped one percentage point between 1998 and 2007 (see Table 9), the incidence of extreme poverty increased from 56.0% in 1998 to 59.2% in 2007. The poor households in 2007 are worse off in terms of consumption than the poor households in 1998, with an average consumption level of BIF 3,682.54 in 2007 and BIF 4,570.64 in 1998. In contrast, the mean consumption expenditure of the non-poor in 2007 (BIF 17,184.21) is much higher than that of the non-poor in 1998 (BIF 12,569.69).

There is however an important caveat to this, the poor and non-poor are not necessarily the same in both years. As Table 10 shows, economic mobility among the panel households is considerable. 35% of household switched from one economic category (poor or non-poor) to another between 1998 and 2007. Nevertheless, poverty is persistent: 74% of households that were poor in 1998 still are in 2007. In contrast, prosperity is less persistent, with over half of households (54.4%) that were non-poor in 1998 falling into poverty by 2007. This can be corroborated by looking at the bottom and upper quintile levels: while the

Figure 7: Kernel Density Estimation of Consumption Levels per Adult Equivalent, 1998 and 2007



bottom quintile in the 1998 survey had a consumption expenditure of BIF 2,121.28 in 1998-1999, their consumption level in 2007 amounted to BIF 5,086.95, a 140% increase. These households have converged to the mean. Similarly, the upper quintile in the 1998 survey had an average consumption level of BIF 14,574.35 in 1998. In 2007, they had BIF 10,840.39, a 29% decrease. We thus observe convergence to the mean welfare level in the data. This convergence effect seems to be at odds with Figure 7 and the Gini-coefficients, which showed that the consumption distribution was more unequal in 2007 than in 1998. However, although the poor in 2007 are poorer than the poor in 1998 (and the rich are richer, hence the higher Gini-coefficient), the poor in 1998 do not completely overlap with the poor in 2007.

Table 9: Household Consumption per Month per Adult Equivalent and Poverty Incidence of Original Households in 1998 and 2007, by Province of Residence

Province	Consumption	Consumption	Consumptio	Poverty	Poverty	
	Level 1998 (1998 BIF)	Level 2007 (2007 BIF)	n Level 2007 (1998 BIF)	Incidence 1998 %	Incidence 2007 R	
Bururi	9479.83	29720.93	14220.54	49.4	12	30.4
Cankuzo	9329.83	25531.64	12216.10	50.0	11	52.3
Cibitoke	6571.40	20218.24	9673.80	71.1	6	57.8
Gitega	4443.31	14121.24	6617.08	90.2	2	81.2
Karuzi	5604.18	13829.71	6617.08	76.9	5	76.9
Kayanza	7271.63	15121.84	7235.33	63.2	8	72.6
Kirundo	7604.21	13055.82	6246.80	63.6	7	78.2
Muramvya	9619.66	18628.88	8913.34	52.5	10	61.6
Muyinga	6563.87	20287.74	9707.05	77.2	4	48.1
Ngozi	8093.07	9856.72	4716.13	55.6	9	86.7
Rutana	5970.48	14542.94	6958.34	81.8	3	70.5
Ruyigi	4161.91	9051.02	4330.63	96.2	1	90.4
Mean	7084.10	16789.85	8033.42	68.8		67.8
N	872	872	872	872		872

Notes: In columns one and two, consumption per adult equivalent is expressed in actual prices. The poverty incidence in 1998 is based on the rural poverty line of BIF 8,173.15. The poverty incidence in 2007 is based on the same poverty line but updated with product-specific 2007 prices. This updated 2007 poverty line amounts to BIF 16,560.64. Data source: ISTEETBU (2007) and Republic of Burundi and World Bank (1998), Bundervoet (2006) and author's own calculations.

Table 11 completes to picture by comparing the growth in welfare for poor and non-poor households in peaceful areas and in war-affected areas. The battle variable is a dummy variable capturing whether or not at least one battle between the army and the rebel groups occurred. We observe strong growth in the consumption of the poor, both in peaceful as well as war-affected areas. Consumption growth of the non-poor is moderately negative in peaceful areas and worse in war-affected areas. The difference in consumption growth between the poor and the non-poor is statistically significant in peaceful as well as in war-affected areas, but the effect of the war is only statistically significant for the non-poor. The difference-in-differences estimator is however based on a two-by-two crossing of a poverty dummy variable with a war dummy. While based on the same logic, in the regression framework used below in this report, a continuous measure of consumption as well as a continuous measure of the intensity of war will be used, thereby preventing the loss of information.

Table 10: Economic Mobility of the Original Households, 1998-2007

	1998	2007	Total
	Poor	Non-Poor	
Poor	442 (73.9%)	156 (26.1%)	598
Non-Poor	149 (54.4%)	125 (45.6%)	274
Total	591	281	872

Data source: ISTEETBU (2007) and Republic of Burundi and World Bank (1998).

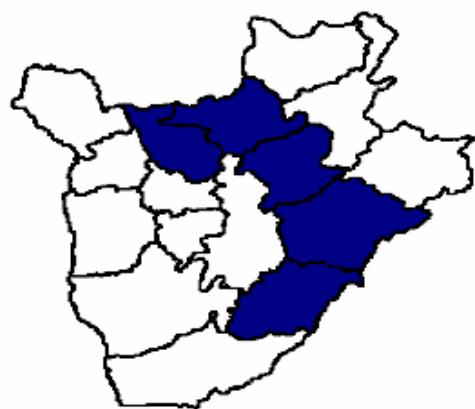
Table 11: Difference in Differences Comparing Consumption Growth per Adult Equivalent 1998-2007 for Poor and Non-Poor Original Households, across Civil War Areas

Poverty Status in 1998	No Battle N=685	At least 1 Battle N=184	Difference
Poor	+96.43 (13.31)	+119.58 (43.95)	+23.15 (50.11)
Non-Poor	-7.58 (0.079)	-38.42 (12.87)	-30.84** (14.59)
Difference	-104.0*** (13.91)	-158.0*** (52.44)	-54.0 (53.2)

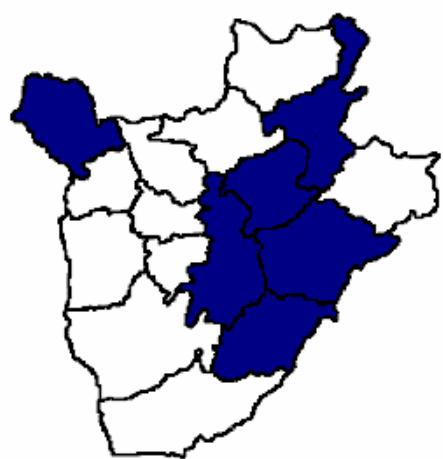
Notes: Standard errors between brackets. ***significant at 1% level; **significant at 5% level; *significant at 10% level. Data source: ISTEETBU (2007) and Republic of Burundi and World Bank (1998).

Figure 8: Poor Provinces (% poor households > province mean) in 1990, 1998 and 2007

1990



1998



2007



4.2 Accounting for the Split-off Households

4.2.1 Reconstituting Original Households

Most studies that use panel data to examine welfare and poverty dynamics do not take account of the new households that are formed between the survey rounds by members of an original (first period) household. If the new households (split-off households) are systematically poorer or richer than their original household, a comparison between the original household's welfare level in period 1 and period 2 will over- or underestimate the second-period welfare of the original household.¹⁴ To see this, imagine a household that consisted of four members in 1998. Consumption per adult equivalent of the household was, say, BIF 6000. Between 1998 and 2007, the two sons of the household got married and constituted their own households. Meanwhile, the mother and father of the original household adopted a war orphan. Consumption per adult equivalent in 2007 of the original household, which now consists of three members, amounts to BIF 5000 (in 1998 prices). Naïve comparison of the two consumption figures suggests that the original household became poorer between 1998 and 2007. However, imagine that the new households of the two sons who got married have expenditures per adult equivalent of BIF 10,000 and BIF 7000 BIF.

Thus, when we start from *the perspective of the original household* and comparing the welfare of the original household in 1998 and 2007, one needs to take into account the current (2007) welfare level of *all* individuals who were member of the household in 1998. Proceeding in this way, the welfare level of the reconstituted *original* household in 2007 is calculated as

$$\frac{2}{4} * 5000 + \frac{1}{4} * 10000 + \frac{1}{4} * 7000 = 6750 \text{ BIF per adult equivalent. Using this method, the original}$$

household is *better-off* in 2007 than in 1998.¹⁵

To capture this in a stylized fashion, consider a simple two-period model where HM_{1ij} denotes the number of household members in household i in period 1. J is the index for the household's status and ranges from 0 to N , with N being the number of new households that are formed between period 1 and period 2 by members of the original household i . Note that $j=0$ is the index for the original household. Let HM_{2ij} be the number of original household members in the j -

¹⁴ While we study the welfare of split-off households and their impact on the welfare of the reconstituted households, the formation process of new households as such is not the topic of this report.

¹⁵ Further on we will see that this method is not the only one to compare welfare and poverty over time. In particular, this method assumes that original and split-off households pool their resources, which is not necessarily the case.

th split-off of household i ($j=0,\dots,N$) in period 2, so that $\sum_{j=0}^N HM_{2ij} + number_of_deaths = HM_{1ij}$.

Finally, C_{2ij} denotes the consumption expenditure per adult equivalent in period 2 of household j ($j=0,\dots,N$). The welfare measure of the original household in time period 2 is calculated as

$$W_{2i0} = \sum_{j=0}^N \frac{HM_{2ij}}{HM_{1i0} - Number_of_Deaths} C_{2ij} \quad (1)$$

When we include all original households in the analysis irrespective of having an interviewed split-off ($N=872$), we find that the mean consumption level in 2007 of the reconstituted households, calculated according to equation (1), does not differ with (BIF 16,771.69) or without (BIF 16,789.85) the splits. However, the median consumption level increases with 3.6% (BIF 5,334.95 (in 1998 prices) with split-offs vs. BIF 5,151.16 without split-offs). Poverty headcount in 2007 is 65.4% for the reconstituted households compared to 67.8% when splits are not taken into account. The incidence of extreme poverty also lowers (59.2% without split-offs vs. 56.9% with split-offs) but remains higher than in 1998.

We find that taking account of the split-off households to calculate overall poverty at the level of the reconstituted household decreases headcount poverty by 3.5% instead of 1%. Given the relatively high welfare level of the newly formed households (BIF 18,473 on average), this difference of (only) 2.5% seems small. However, one has to take two issues into account. *First*, the poverty headcount in 2007 of the original households who split already declines from 79.9% to 66%, even before we account for the consumption level of their splits. This means that the newly formed households are not the only beneficiaries of the split, the households from which they originate clearly benefit too. This is confirmed by the (all-be-it smaller) decrease in poverty from 72.8 to 69.2% for the 92 original households who had at least one split but where no split-off household could be interviewed. *Second*, the impact of the welfare level of the split-off member on the welfare level of the reconstituted household is limited because each split-off represents only 1 member in equation 1. The larger the number of household members who remained in the original household, the smaller the impact of the split on the welfare level of the reconstituted household.

From the profile of our interviewed splits however, we know that splits living outside their commune of origin are on average better-off (higher consumption) compared to those who stayed. We do not find a similar difference in welfare over the other three variables which were statistically significant in the selection equation. Thus, our calculation of the consumption per adult equivalent of the reconstituted households may underestimate consumption for those households having

non-interviewed splits residing outside of the commune of residence. One in four (25%) splits resided outside of the commune of residence of the original household. We interviewed 35% of them, compared to 85% of the splits who did not leave their commune. The degree of underestimation however is limited: While the average consumption per adult equivalent of the out-migrated splits is 25.000 BIF, the median is only 15.000 BIF, the later being under the poverty line. Of the 66 interviewed splits living outside of their commune of origin, 32 (48%) are non-poor (expenditures per adult eq. > 16,570 BIF). This means that approximately half of the non-interviewed out-migrated splits have the potential to lift their original household out of poverty. Of the 90 original households with non-interviewed out-migrated splits, 56 (62%) live in poverty. Including the consumption of their non-interviewed splits would potentially increase the welfare in 48% of these households, meaning in 27 cases. As some non-interviewed splits live in poverty, their inclusion would decrease the welfare of the reconstituted non-poor households. The net result would be that only a handful of households, those living just under the poverty line, would be lifted out of poverty.

In Table 12 we present a poverty profile of the reconstituted households for 1998 and 2007 distinguishing between households who did and did not split, using the same poverty lines as in Table 9. The first two columns show an 8 percentage point *increase* in poverty for those households who did not split. The last two columns show a 17 percentage point *decrease* in poverty for households with splits. Among the latter, households with younger, female, educated or farming heads of the original household have increased their welfare more than others. Results are even more outspoken when we further divide the households who did not split in households who had at least one adult son or daughter (a potential split) and households who did not (not shown). While the poverty headcount of the first group remains stable between 1998 and 2007 (69 and 71%), the latter group impoverishes (54 and 68%).

These findings allow three intermediate observations: (1) Panel surveys in developing countries that do not track or interview split-off households may yield biased results. In our survey the failure to account for the welfare level of splits overestimates overall headcount poverty by 2.5%. (2) The bias may remain limited since original households may (at least in our survey) also benefit from the split. This can be captured even by panels who do not track splits. However, the effect of not been able to interview out-migrated splits may add further bias as some of them may be better-off than the average split. And (3) we observe large discrepancies in welfare transition over time between household who split and those who do not split. This opens a path of research that until now has been largely neglected in the study of poverty in developing countries.

Table 12: Poverty Profile of the Reconstituted Households
 (Weighted Average of Original and their Split-off Households), comparing
 Households with and without Splits (+)

Characteristics of the Head of the Original Household in 1998	Headcount Poverty			
	Households who did not split		Households who split	
	1998	2007	1998	2007
<i>Age</i>				
<50	61.0	69.3	84.6	62.6
>50	55.5	61.9	75.2	59.5
<i>Gender</i>				
Male	60.1	71.8	76.7	62.5
Female	60.6	54.2	89.7	61.5
<i>Schooling</i>				
None	67.8	70.7	84.1	67.2
At least some	44.8	63.0	72.3	53.6
<i>Occupation</i>				
Farmer	61.2	69.2	82.7	63.9
Non-Farmer	52.7	60.0	63.8	53.2
<i>Cattle ownership</i>				
None	63.3	73.0	83.6	66.3
At least one	44.0	42.7	63.8	44.8
Mean of Sample	60.2	68.2	79.9	62.3
N	466	466	314	314

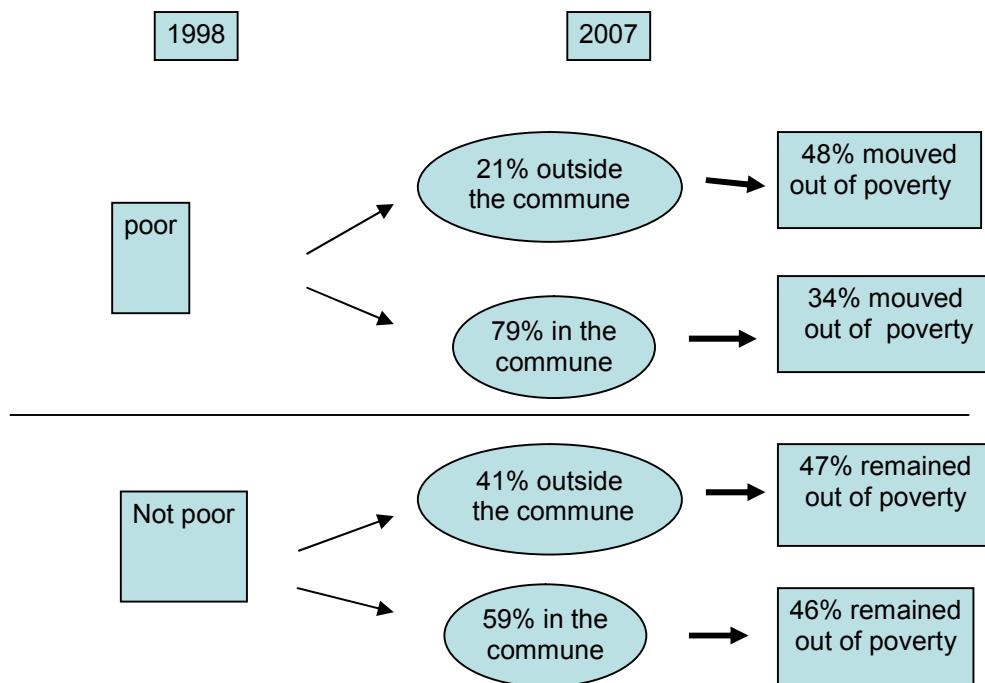
(+) we found 431 original households who had at least one split-off household. The splits of 92 of these 431 could not be interviewed and in 25 cases the original household was dissolved. This means that we could reconstitute 314 household and measure the welfare of its original members.

We can go a step further by looking at welfare and poverty at the individual level. Since poor households usually have more members, consumption expenditures are lower and poverty incidence is higher at the individual than at the household level. In the survey we have 3842 individuals with two observations on consumption. Overall, the average consumption expenditure at the individual level increased with 14.7% between 1998 and 2007. This increase in consumption translates into a four percentage point-decline in poverty incidence. While in 1998 73% of the panel individuals lived in poor households, this had decreased to 69% in 2007.

4.2.2 Poverty, Household Splits and Place of Residence

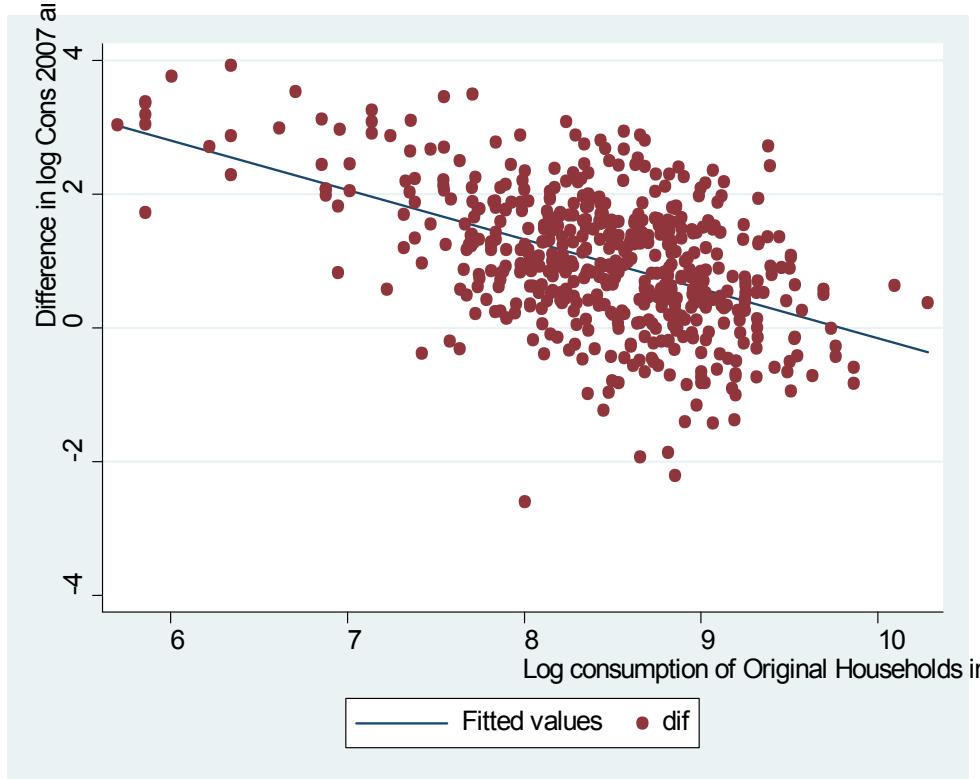
In order to leave one's commune, meaning to marry and settle elsewhere a certain level of revenue is required. This is evident from the data: when a non-poor household splits, the split will reside out of the commune of his or her parents in 41% of the cases, while this is only 21% for the splits from poor households (see Figure 9). However, when a split-off member of a poor household moves outside the commune of his/her parents, the chances of escaping poverty are higher compared to a split who does not leave the commune of the parents (48% compared to 34%). We do not observe a similar pattern among the non-poor households.

Figure 9: Commune of residence of split-off households



Equally, at the province level, those provinces with a small percentage of poor households in 1998 (such as Bururi and Muramvya) send a large percentage of their splits outside the commune of their parents. Inversely, provinces that were poor in 1998 such as Gitega and Ruyigi send a small percentage of their splits outside the commune of their parents. And finally, Figure 10 shows that splits from poor households increase their consumption more than splits from rich households. Splitting seems to make economic sense in particular for young adults from poor households.

Figure 10: Consumption growth of Splits compared to their Original Households



5 Violent Shocks and the Evolution of Welfare in Burundi

5.1 The Econometric Models

In this section we examine the impact of war-related violence on the evolution of households' welfare levels. Panel households have been confronted with various types of shocks between the two survey rounds. To examine whether and to what extent these shocks have affected consumption growth, we estimate standard micro-level growth models augmented for the presence of specific violence-induced shocks during the 1998-2007 period. The dependent variable in the analysis is the change in real consumption expenditure per adult equivalent (expressed in BIF 1998) between 1998 and 2007. The first model explains consumption growth between 1998 and 2007 based on initial household and village characteristics and shocks that happened between 1998 and 2007. This model can be written as:

$$\ln(\exp_{ad})_{ij,2007} - \ln(\exp_{ad})_{ij,1998} = \ln(\exp_{ad})_{ij,1998} + \alpha H_{ij,1998} + \beta S_{ij,98-07} + \eta + \varepsilon_{ij,2007} \quad (2)$$

With $\ln(\exp_{ad})_{ij,1998}$ being the natural log of the expenditures per adult equivalent for household i in village j in 1998, $H_{ij,1998}$ being initial household characteristics of household i in village j, $S_{ij,98-07}$

the violent shocks that happened to household i in village j between 1998 and 2007 and η are the province fixed effects and $\varepsilon_{ij,2007}$ is the white noise error term¹⁶. Initial household characteristics or the household level control variables ($H_{ij,1998}$) are the size of the household, the age and the sex of the head of the household. The shocks ($S_{ij,98-07}$) include the number of death and wounded at the village level between 1998 and 2007 as a result of civil war confrontations between the army and one of the rebel factions. We also include a second war-related variable, to wit whether or not the household has at least one member who joined the rebellion between 1998 and 2007.¹⁷ While we expect that the number of death and wounded has a negative impact on consumption growth, this is not necessarily the case for the membership of a rebel faction. In effect, the integration in the government of former rebel leader Pierre Nkurunziza in 2003 and the integration of his troops in police and army forces (and in thriving private security companies) meant the accession to a steady and relatively high-paying job for most former rebel fighters. The remaining combatants who had to be demobilized received considerable reinsertion payments in the framework of the World Bank's Multi-Country Demobilization and Reintegration Program (MDRP)¹⁸. These jobs and payments may have a positive effect on consumption growth of the rebel's household.

The results produced by econometric model (2) may be suspect if there are unobservable factors that simultaneously influence the dependent variable and the right-hand-side variables. In this case, the relation between the right-hand-side variables and consumption growth is spurious. Panel data offer a powerful tool to remove this omitted variable bias. This is known as fixed-effects regression (or the within-estimator) and exploits *only* the within household variation over time (the variation across households is not used to estimate the regression coefficients). First differencing the variables sweeps out all time-invariant effects, both observable as well as the unobservable:

¹⁶ Correlation among the error terms of households in the same hill who have experienced the same shocks might bias OLS standard errors downwards. Therefore, standard errors are clustered at the level of the hill (Moulton, 1986; Bertrand, Duflo, and Mullainathan, 2004).

¹⁷ We also ran regressions including a large number of other shocks and control variables at the individual, household and village level, such as illness, death of a member, household composition, migration of a member, harvest failures, crop disease, the presence of a road and health center, and so on. We do not show these results in order not to distract attention away from our core topic, the effect of the civil war on consumption. The inclusion of these other shocks does not alter our findings for the civil war variables (deaths and wounded ; member of rebel faction). A high number of explanatory variables in the analysis may result in multi-collinearity in the data. Collinearity does not bias the estimates but inflates the standard errors, resulting in smaller t-statistics and hence a higher probability of accepting the null hypothesis.

¹⁸ This reinsertion payment amounted to at least 556,000 BIF and increases with rank. Anyone above the rank of corporal received 600,000 BIF on minimum (Uvin, 2007).

$$\ln(\expad_{ij,2007} - \ln(\expad_{ij,1998}) = \alpha(H_{ij,2007} - H_{ij,1998}) + \beta(S_{ij,98-07}) + (\varepsilon_{ij,2007} - \varepsilon_{ij,1998}) \quad (3)$$

H_{ij} is a vector of household controls used in equation (2) that can change over time. $S_{ij,98-07}$ is the vector of shocks between 1999 and 2007 and contains the variables used in the previous analyses. Equation (3) resolves a number of potential sources of endogeneity such as ability or risk aversion, but it does not address concerns about heterogeneity among households affecting consumption growth and choices made during the civil war, such as joining a rebel movement.

Next to first-differencing we use three other avenues to address potential endogeneity. (i) we include household level control variables which may affect consumption growth as well as joining a rebel movement; (ii) we test with a Probit model whether or not consumption, intensity of civil war at the village level together with household level control variables predict membership of a rebel group and; (iii) we use an *initial* household fixed effect specification. Points (i) and (ii) will be further discussed in section (5.2) below.

In Equation (4) we implement point (iii) by adding an initial household fixed effect θ_{ij} to the specification. The difference between an (old and new) household fixed effect and an *initial* household fixed effect is that the latter controls for the fact that the split-off households originate from the old household. Using data from multiple households originating from the same initial household allows us to control for any initial household heterogeneity θ_{ij} that may affect consumption growth. As a result, the effect of the civil war variables is identified using variation *within* initial households.

$$\ln(\expad_{ij,2007} - \ln(\expad_{ij,1998}) = \alpha(H_{ij,2007} - H_{ij,1998}) + \beta(S_{ij,98-07}) + \theta_{ij} + (\varepsilon_{ij,2007} - \varepsilon_{ij,1998}) \quad (4)$$

Estimating equation (4) only makes sense when split-off and original households do not pool resources. When they do, then there is in fact only one household and we cannot use the data from multiple households to identify the within household variation. Therefore we need to test whether or not original and split-off households pool resources. We test resource pooling using the methods developed in Altonji et al (1992) and Witoelar (2005). These authors use the following model for panel data:

$$\ln(\expad_{ij,2007} - \ln(\expad_{ij,1998}) = \alpha(H_{ij,2007} - H_{ij,1998}) + \beta(Y_{ij,2007} - Y_{ij,1998}) + \theta_{ij} + (u_{ij,2007} - u_{ij,1998}) \quad (5)$$

Where Y_{ij} is the own income of the household i in village j . The reasoning behind the model is as follows¹⁹: When the parental and the split-off household pool resources, then we can regard household decision making as a unitary actor (representing the extended household) constrained by the pooled income. Hence, the marginal utility of income is the same for all household members. This marginal utility can be interpreted as the initial household fixed effect θ_{ij} . Controlling for this fixed effect, the own income of the parental and split-off household (Y_{ij}) should not affect their consumption. Under the null-hypothesis of resource pooling (also called extended-family altruism in the literature), the coefficient of Y_{ij} should be zero. Or, in dynamic form of the model, changes in household *own* income should not affect changes in household consumption.

There may be omitted variables, ending up in the error term that correlate with income in equation (5). One way to deal with this is to use IV estimation. This would also deal with potential measurement error in the income variable. In an agricultural economy such as Burundi, the capital stock allowing the farm household to produce revenue seems to be an adequate instrument for income. Indeed, as we only performed our survey in the rural areas (we did not trace nor re-interview the households who lived in the capital Bujumbura in 1998) and as even city dwellers with on full-time off-farm job (5% of the population) have a farm, the agricultural capital stock seems to be a good candidate to serve as instrument. We have two variables in our data capturing farm capital, to wit the size of the household's land and the number of cattle. Land is a necessary input to produce crops, and cattle delivers manure and traction for cultivation. Both determine the volume of crop output and the latter constitutes the most important part of household income. Farm size as well as cattle are thus likely to affect consumption only through the income channel. In contrast to *products from livestock* such as milk or – very occasionally – meat (both responsible for a small part of farm household income in Burundi), cattle are *not* considered part of income. It is a capital stock variable. We do not include smaller animals such goats, chicken and pigs in our instrument as these are likely to have a direct effect on consumption.

5.2 Empirical Results

In our analysis we use three different definitions of the household as our unit of analysis, capturing different kinds of relationships between original and split-off households. We start with the *reconstituted* household as unit of analysis where it is assumed that split-off and the parental household pool resources. We then test this assumption. Afterwards we consider split-of and

¹⁹ For a formal derivation we refer to Altonij et al (1992) and Witoelar (2005)

original households as autonomous, independent households and perform our analysis with and without using the feature of multiple households originating from the same initial household in our data.

In column 1 of Table 13 we estimate equation (2), presenting a specification that includes the 1998 consumption level, the number of deaths and wounded at the village level (i.e. our measure of the intensity of violence) and our set of household controls (age, sex, size and education). We also control for all effects that are fixed at the level of the province. In line with the new growth literature, we find strong conditional convergence: poorer household grow faster. We find that exposure to violence significantly lowers household consumption growth. The number of deaths and wounded has a strong negative effect on consumption growth: 25 war-related deaths or wounded in the village between 1998 and 2007 lowered households' consumption growth by 7.5%. Households with more splits see their consumption grown faster.

Specification two in column 2 adds the membership of a rebel faction as a regressor. When a member of the household joined the rebellion between 1999 and 2007, household consumption growth is increased by 34% and the effect of the deaths and wounded variable has not changed. This result should not surprise: other research on ex-combatants in Burundi (Uvin, 2007, p. 13) has shown that many of them now belong to the highest economic category in rural Burundi, and that there is "no reason to assume that this is the result of their better initial conditions"²⁰. Using Heckman's sample selection model (1979) does not change the magnitude nor the level of statistical significance of our variables of interest (results not shown).

In the third column of Table 13, we use a household fixed effects specification (thus eliminating all time invariant effects of the reconstituted household). We find that the magnitude of the intensity of violence and rebel membership remains the same. The level of statistical significance of the latter however decreased to 15%.

²⁰ There seems however to be a difference between the demobilized in the North and the South of the country. In the South, where many homes were destroyed during the war, demobilized soldiers had to use their reinsertion payments to rebuild their houses. As such they could not use this money for more profitable investments (Uvin, 2007).

Table 13: Determinants of Consumption Growth (1999-2007), Province and Household Fixed Effects Regressions, *Reconstituted Households*

Dependent Variable: Consumption Growth	(1) Province Fixed Effects	(2) Province Fixed Effects	(3) Household Fixed Effect
Consumption 1998	-0.70*** (0.054)	-0.70*** (0.054)	-0.01* (0.007)
Deaths & Wounded in Village (99-07)	-0.004** (0.001)	-0.004*** (0.001)	-0.005+ (0.003)
Member Joined Rebellion (1 if yes)		0.34** (0.17)	0.38+ (0.25)
Number of Split-Off Households	0.20*** (0.036)	0.19*** (0.036)	0.11** (0.04)
HH is Split-off (1 if yes)			
Household Control Variables	Yes	Yes	
Changes in HH Control Variables			Yes
Province FE	Yes	Yes	No
Household FE	No	No	Yes
constant	6.46*** (0.56)	6.47*** (0.56)	8.93*** (0.18)
R ²	0.34	0.34	0.04
F-Statistic	34.20***	32.76***	15.98***
Chi2-Statistic			
N of observations	866	866	1728
N of groups			866

Notes: The first two regressions use province fixed effects. The last regression includes a household fixed effect. Standard errors are robust and clustered at the level of the hill. ***: significant at 1% level; **: significant at 5% level; *: significant at 10% level. Data source: ISTEEBU (2007) and Republic of Burundi and World Bank (1998).

As mentioned above, the results in Table 13 may be criticized because they use the reconstituted household as unit of analysis. While this is useful to observe the evolution of poverty from the perspective of the original household, it has a major deficiency: the approach assumes that the split-off and the original household pool resources (see equation (1)). Whether or not this is the case is an empirical question. Verwimp and Bundervoet (2009) show that split-offs and original households do not pool resources. Table 14 therefore repeats the analysis while considering the splits-offs as independent households.

Column 1 in Table 14 is a household fixed effect specification. It considers the split-off and the original household as independent households and controls for all time-invariant effects specific to each (parental and split-off) household. It is *not* an initial household fixed effect, it *does not* consider the fact that the split-off and the parental household originate from the same initial household. Consequently this specification does not use the multiple household feature of our data. Nevertheless, it is instructive to show the results of this specification in order to compare them with the results of the initial household fixed effects. The latter only sweeps away those observed and unobserved variables that are common to the split-off and the old household, while unobservables that are household-specific and vary across the households remain. By comparing the results for different specifications and different definitions of the household, each with their strengths and shortcomings, we want to show the robustness of our results on the civil war variables. For the specification in column 1 of Table 14, the magnitude of the coefficients of the variables of interest (intensity of civil war and rebel movement membership) is similar to the ones in the earlier specifications in table 13. We include a dummy variable for new households (split-offs) whose coefficient is large and statistically significant at the 1% level, showing that split-offs do better compared to parental households

The specification in column 2 is an *initial* household fixed effects specification. It considers the fact that the split-off once was a member of the original household, applying an initial household fixed effect to the original as well as to the split-off household. The magnitude of the variables of interest is similar to the ones in earlier specifications: 0.0036 for the intensity of violence and 0.41 for membership of a rebel group. The level of statistical significance of their coefficients is 98% and 96% respectively, an improvement compared to the other specifications. This means that 25 deaths or wounded at the village level decrease consumption growth by 9% and

Table 14: Determinants of Consumption Growth (1999-2007), Household Fixed Effects Regressions, *Original and Split-off Households*

Dependent Variable:	(1) (old and new)	(2) Initial Household Fixed Effects	(3) Initial Household Fixed Effects (robustness)
	HHFE	IHHFE	IHHFE
(log) Consumption Growth	Household Fixed Effects	Household Fixed Effects	Household Fixed Effects
(log) Consumption 1998	-0.014*** (0.005)	-0.011*** (0.004)	-0.017*** (0.005)
Deaths & Wounded in Village (99-07)	-0.004* (0.002)	-0.004** (0.002)	
Member Joined Rebellion (1 if yes)	0.48** (0.24)	0.41** (0.19)	0.39** (0.19)
Security situation at the village level (99-07) improved <u>somewhat</u>			-0.03 (0.06)
Security situation at the village level (99-07) improved <u>a lot</u>			0.20*** (0.064)
HH is Split-off (1 if yes)	0.86*** (0.09)	0.78*** (0.07)	0.77*** (0.07)
Changes in HH Control Variables	Yes	Yes	Yes
constant	8.9*** (0.13)	9.03*** (0.11)	9.05*** (0.11)
R ²	0.16	0.17	0.15
F-Statistic	72.11***	102.0***	91.86***
N of observations	2795	2795	2795
N of groups	1400	896	896

Notes: Following Angrist and Pischke (2009), we do not cluster standard errors at the level of the hill as several split-offs have moved outside the hill. ***: significant at 1% level;
 **: significant at 5% level; *: significant at 10% level. Data source: ISTEEBU (2007) and Republic of Burundi and World Bank (1998).

rebel membership increases it by 41%. Column 2 in Table 14 is our preferred specification, it controls for all time-invariant effects of the initial household, thereby taking into account that the split-off was a member of the original household in 1998.

Column 3 in Table 14 uses a similar initial household fixed effect specification, but with alternative variables measuring the intensity of civil war. In the survey, we asked all our respondents to evaluate the level of violence and security in the village (hill) in 1998 as well as in 2007. We used a scale from 1 to 4, whereby 1 is ‘very peaceful’ and 4 is ‘very violent’. The variables used in the specification represent changes in this subjective evaluation of security. A change for the better of 1 unit is defined as ‘somewhat improved’ and a change by 2 or 3 units is defined as ‘improved a lot’. Baseline is no improvement.²¹ Results on the rebel membership variable remain the same in this robustness check and the outcome for the subjective measures of violence and security confirm the earlier result attained with the variable measuring the deaths and wounded in the civil war. An improvement of two units or more on a scale of four, capturing subjective evaluation of security on the hill increases consumption growth by 20%.

6 Conclusions

In this report we study the evolution of welfare of a panel of more than 1400 Burundian households between 1999 and 2007. Of these households, 872 are original and 534 are split-off households. We find that average consumption levels of the panel households increased considerably and median consumption levels decreased considerably, resulting in rising inequality in the distribution of consumption. Our panel data differ from other panels from developing countries as we also interviewed the persons who had left their original 1998 household to constitute their own proper households. We argue that in order to study the evolution of households’ welfare throughout time in a methodologically sound fashion, one has to take account of the welfare levels of the newly formed or split-off households. We find that accounting for the welfare levels of the split-off households positively influences the welfare levels of the reconstituted households in 2007: failing to account for the split-off households results in an underestimation of panel households’ welfare in 2007, in particular when a lot of splits migrated out of the commune of residence.

²¹ There was only one village where security had deteriorated (by 1 unit). We included it with the ‘no improvement’ group .

The report is essentially concerned with the impact of war-related violence on household consumption growth. This relation is under-researched, and if researched, the war indicators that are used are at best dummy variables capturing whether a household has been affected by war. Using the number of war-related deaths and wounded in the village between 1999 and 2007 as an indicator for village-level intensity of the civil war, we find a considerable and statistically significant negative effect on household consumption growth. In our preferred initial household fixed effects specification, we find that 25 war-related deaths and wounded diminished household consumption growth by 9%. Consumption growth of a household living in the most violent village was reduced by over 50%. Some persons also benefit from civil war, at least in economic terms: households who have at least one member in a rebel faction have seen their consumption increased by 41% in our preferred regression. This outcome is most likely the result of the well-paid positions that former rebels now occupy as well as the reinsertion payments they received.

Poverty is also determined by the province of residence of the original household, the number of split-off households and the residence of the split itself. In particular young adults from poor households who establish their own household and who manage to move out of the commune of residence of their parents stand a fair chance to move out of poverty.

APPENDIX: An analysis of attrition in the sample

We managed to track and re-interview 87.4% of the original households and 82% of all individuals interviewed in 1998. These are reasonable figures after a period of 9 years in between the survey rounds, a period characterised by civil war. Well-known panels in developing countries such as the Kenya Life Panel Survey 1998-2003/2005 (84%), the Indonesian Family Life Survey 1993, 1998, 2000 (88%); and the KwaZulu-Natal Income Dynamics Study 1993-1998 (84%) have similar attrition rates. Baird, Hamory and Miguel (2008) signal the lower re-contact rates for panels who do not track individual members who moved between survey rounds.

Important is to find out whether or not the drop out households differ from the tracked households, which would bias subsequent estimation results. In tables A1 en A2 we explore potential selection bias in two ways. First, we examine mean differences on observables between tracked and drop out households and second we perform a probit analysis of attrition similar to Fitzgerald, Gottschalk, and Moffit (1998). We find that drop out households were on average smaller, were more likely to have an older, female or less educated head of the household and had lower total income and less cattle. In terms of poverty, measured as consumption per adult equivalent, the drop outs do not differ from the tracked households. We do not observe a difference for the intensity of violence, measured as the number of deaths and wounded at the village level. The drop out households did have a slightly worse access to markets in 1998.

The fact that the violence in the civil war did not influence or, worse jeopardize our tracking of households is an important finding in itself. It means that panel surveys can be conducted safely and with low drop-out rates in a war-affected country, with selection effects not different from those in other panel surveys and with no selection, at least not in our Burundi sample, on violence in civil war.

Table A1: Testing for selective attrition among original households (+)

Household characteristics in first round	Sampled in both rounds	Sampled in first round only	Difference in means with t-test	Interviewed in both rounds	Drop out in second round	Difference in means with t-test
Household size	4.90	4.94	0.039	5.09	3.57	-1.52***
Adult equivalents	3.88	3.89	0.19	4.03	2.85	-1.18***
Age of the head	44.09	43.18	-0.9*	43.05	51.12	8.06***
% head educated	0.32	0.31	-0.0	0.34	0.19	-0.15***
% female head	0.25	0.25	0.0	0.22	0.44	0.22***
Total income	42673	40012	-2260	44248	31941	-12307**
Consumption per ae	7115	6689	-425**	7089	7295	206
	0.46	0.38	-0.08*	0.5	0.19	-0.3**
Number of cattle	0.69	0.71	0.03*	0.69	0.70	0.02
% poor						
<i>village level</i>						
time to market	2.67	2.69	0.02	2.65	2.8	0.16*
Intensity of violence				4.07	3.62	-0.45
	1000	2908		872	128	
N						

Table A2: Probit models testing for selective attrition, using FGM method (+)

Household characteristics In first round	Sampled in both rounds (1)	Sampled in both rounds (2)	Interviewed in both rounds (3)	Interviewed in both rounds (4)
Household size	-0.01	-0.013	0.129***	0.126***
Age of the head	0.002	0.002*	-0.01***	-0.01***
head educated	0.016	0.007	0.167	0.177
female head	-0.001	-0.008	-0.287**	-0.346**
Log total income	0.036	0.054*	0.036	0.069
Number of cattle	0.018	0.025	0.09	0.08*
<i>Village level</i>				
time to market	-0.012	-0.011	-0.054	-0.054
Intensity of violence			0.001	-0.001
constant	-1.05***	-6.59	0.56	0.68
Province FE	No	Yes	No	Yes
N	3908	3908	1000	1000

(+) Source : Burundi Priority Household Survey 1998 and 2007. The consumption data of two tracked households were found to be unusable. Probit specifications where the selection variable is 1 for selection into the sample or the interview and 0 otherwise. All models are clustered around survey cites to obtain robust standard errors; Fitzgerald, Gottschalk and Moffitt (1998).

PERSONNEL IN THE PRIORITY SURVEY – PANEL 2007.

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BIGIRIMANA Aline	KWIZERA Violette	BIZINDAVYI Bernard
NIRAGIRA Blaise	NYABENDA Ferdinand	NIYONSABA Thadée
MUKESHIMANA Espérance	NIBOGORA Anésie	NAHAYO Sarah
HAVYARIMANA Donatien	MANIRAMBONA Alexis	NDUWIMANA Pierre
BIZIMANA Raphaël	INASHAZA Jocelyne	IRAMBONA Claver
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Reprographie

NAYUBURUNDI Michel

Plantons

MBESHERUBUSA Gaspard
SINIJAJAYE Adrien

TUYAGANDABAzi Donelce

HARERIMANA Eric

QUESTIONNAIRE MENAGE

STRATE :	CODE : <input type="text"/>
PROVINCE :	CODE : <input type="text"/>
COMMUNE :	CODE : <input type="text"/>
COLLINE :	CODE : <input type="text"/>
SOUS COLLINES :	CODE : <input type="text"/>
	NUMERO DU MENAGE : <input type="text"/>
	En cas de Split-of: NUMERO DU SPLIT-OF <input type="text"/>
	RECODIFICATION SC : <input type="text"/>

A. Collecte des données

• Enquêteur :

• Contrôleur :

• Date de collecte :

• Date de contrôle :

B. Saisie de données

• Opérateur de saisie :

• Contrôleur :

• Date de saisie :

• Poste de saisie N° :

Apurement des fichiers

• Agent :

• Contrôleur :

• Date de correction des listings :

• Date d'apurement des fichiers :

SECTION 0. RENSEIGNEMENTS DE CONTROLE : SITUATION DU MENAGE

1. Strate : 2. Province 3. Commune 4. Colline 5. Sous Colline 6. N° du ménage

S'il s'agit d'un ménage split-of, continuez avec question 10. Sinon, continuez avec question 7 !!

7. Nom et Prénom du Chef de Ménage de 1998 à écrire :.....

8.a Est-ce que au moins un membre du ménage qui a été enquêté en 1998 a été retrouvé sur la sous colline ? 1. Oui 2. Non si non, écrit la raison et le lieu de résidence actuel dans le cadre

8.b Est-ce que le Chef de Ménage est le/la même personne que celui en 1998 ? 1. Oui \Rightarrow 13
(Remarque : si le chef est absent, cela ne veut pas dire qu'il n'est plus le chef) 2. Non

9. Quelle est la raison pour que le chef de ménage n'est plus le/la même personne que en 1998?

(Voir codes 9 en bas du page)

10. a) Nom & Prénom Chef de Ménage en 2007 :

b) Age du chef de ménage :

c) Sexe du chef de ménage : 1. Masculin 2. Feminin

11. Il s'agit de quel type de ménage en 2007 ?

(Voir codes 11 en bas du page)

12.1 En cas de ménage split-of, quand est-ce que vous avez quitté le ménage où vous habitez en 1998 ?

12.2 En cas de ménage split-of, donnez le lieu du ménage ancien (province, commune, colline, sous colline)_____

13. En quelle année est-ce que le ménage a été constitué ?

14. Nombre de membres du ménage en 2007

15. Est-ce que le chef et les membres du ménage sont informés sur l'objectif de cette enquête ? 1. Oui 2. Non

16. Est-ce que le chef et les membres du ménage sont informés sur le secret statistique et l'anonymité de l'interview ? 1. Oui 2. Non

17. Est-ce que le chef et les membres du ménage se sont déclarés d'être d'accord à la participation à l'enquête ? 1. Oui 2. Non

CODES DES STRATES	
1. Bujumbura - Mairie	
2. Plaines	
3. Montagnes et transition	
4. Plateaux occidentaux	
5. Plateaux orientaux	

CODES (9)	
1. Il/elle est mort(e)	
2. Parti permanent sans divorcer (séparé)	
3. Divorcé	
4. Autre	

CODES (11)	
1. C.M. en 2007 est la femme du C.M. en 1998	
2. Femme est la même que celle en 1998, mais il y a un nouveau C.M.	
3. Il s'agit d'un ménage 'split-of' (fille ou fille du	

SECTION 1. CARACTERISTIQUES SOCIO-ECONOMIQUES

1.1. DEMOGRAPHIE

1.1.1 COMPOSITION DU MENAGE EN 2007

Tous les membres actuels du ménage, **inclus les membres qui sont absents temporairement**, commence avec chef, premier conjoint, fils/fille le plus âgé

1. Nom et Prénom	2. Sexe	3. Date de naissance	4. Age	5. Lien avec le C.M.	6. Statut de résidence	7. Situation matrimoniale	8. Est-ce que cette personne était déjà membre du ménage en 1998 ?	9. Ecrit ici le code du membre dans L'enquête de 1998	10. Pourquoi est-ce que cette personne n'était pas membre du ménage en 1998 ?
	1. Masculin 2. Féminin	Jour : mois : année Si date connue \Rightarrow 5	En année	1. C.M. 2. Conjoint 3. Fils/Fille 4. Père/Mère 5. Autre parent 6. Domestique 7. Dispersion de moins de 6 mois 8. Dispersion de plus de 6 mois 9. Autre sans lien	1. Présent 2. Absent 3. Visiteur	1. Célibataire 2. Marié 3. Divorcé 4. Séparé 5. Veuf	1. Oui \Rightarrow personne suivante 2. Non \Rightarrow 10 9. Non Applicable (ménage split-of)	(le contrôleur fait cela le soir après l'interview)	1. Ménage n'était pas encore constitué en 1998 2. Il/elle est trop jeune/n'était pas né 3. Mari/femme du fille/fils qui n'a pas encore constitué son/sa propre ménage 4. Fille/fils qui est retourné au ménage après divorce, mort ou séparation du mari/de la femme 5. Enfant adopté 6. Enfant résident dans le ménage pour raisons éducatives ou sociales 7. Autre 9. Non applicable (split-of !)
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1.1.2 CHANGEMENTS DU MENAGE DEPUIS 1998 (morts, départs définitives (pas temporaire)). Seulement pour les ménages qui étaient déjà formés 1998)

Fais ici une liste de toutes les personnes qui étaient membre du ménage en 1998, mais qui ne sont plus en 2007) PAS POUR LES SPLIT-OFF !! Mettre dans les cases l'effectif total :

1. Nom et Prénom	2. Sexe	3. Date de naissance	4. Raison pour laquelle la personne a quitté le ménage	5. Date du départ/ date de la mort/date de mariage/ date de divorce	6. Age à l'époque du départ/ mort ?	7. En cas de mort, quelle est la raison ?	8. En cas de mort, place de la mort	9. Ecrit ici le code du membre dans l'enquête de 1998	10. Si personne est encore en vie, place de résidence actuelle ?
	1. Masculin 2. Féminin	Jour : mois : année Si date connue ⇒ 5	1. Mort 2. Divorce ou séparation permanente 3. Mariage 4. Il/elle s'est réfugié (départ à cause la guerre/conflict) 5. Il/elle a rejoint un mouvement armé 6. Il/elle est en prison 7. pour le travail 8. Autres	mois et année	En année	1. Mort à cause de la malaria 2. Mort à cause du SIDA 3. Mort à cause d'une autre maladie 4. Mort à cause de la malnutrition 5. Mort d'un accident 6. Mort violent (meurtre, mort dans la guerre) 7. Mort naturelle	1. Sur la colline de résidence 2. Dans la commune de résidence mais pas sur la colline 3. Dans la province mais pas dans la commune 4. Dans une autre province 5. En Tanzanie 6. Au Congo 7. Au Rwanda 8. Autres	(on fait cela le soir après l'interview)	Ecrire en pleine colline, commune province, pays...
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1.2. EDUCATION (Toutes les personnes âgées de 5 ans et plus, membres de ménages en 2007)

N°	1. (Nom) a-t-il (elle) été à l'école ?	2. (Nom) a-t-il (elle) à été à l'école pendant l'année scolaire 2006-2007 ?	3. Quelle est la classe fréquentée pendant l'année scolaire 2006-2007?	4. Entre 5 et 30 ans a-t-il (elle) quitté pour de bon ?	5. Entre 5-19 ans. Pourquoi ne va-t-il pas à l'école maintenant ?	6. Quelle est la dernière classe achevée avec succès ?	7. (Nom) a fréquenté un centre d'alphabétisation	8. (Nom) sait lire et écrire.	9. Dans quelle principale langue ?	10. Le nombre d'années que la personne a suivie l'école
	1. Oui 2. Non ⇒ 5	1. Oui 2. Non ⇒ 4	Voir codes des classes ⇒ pers.suiv.	1. Oui cette année 2. Oui auparavant 3. Non Si oui ⇒ 6	1. Trop jeune => pers. suiv. 2. Trop âgé 3. Pas de place 4. Raisons financières 5. Exclusion 6. Doit travailler 7. Maladie 8. A cause de la crise 9. A cause des dégâts liés au climat 10. Autres	Voir codes des classes Si la personne n'a jamais été à l'école, marquez 99 « NON APPLICABLE »	1. Oui 2. Non	1. Oui 2. Non ⇒ Pers. Suiv.	1. Kirundi 2. Français 3. Swahili 4. Autres	Nombre d'années
1.	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
2.	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
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13.	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
14.	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
15.	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]

CODES DES CLASSES										
00. Maternelle	04. 4 ^{ème} EP	08. 8 ^{ème} Sec	12. 12 ^{ème} Sec							
01. 1 ^{ère} Ecole Primaire	05. 5 ^{ème} EP	09. 9 ^{ème} Sec	13. 13 ^{ème} Sec							
02. 2 ^{ème} EP	06. 6 ^{ème} EP	10. 10 ^{ème} Sec	14. 14 ^{ème} Sec							
03. 3 ^{ème} EP	07. 7 ^{ème} Sec	11. 11 ^{ème} Sec	15. Supérieure ou Universitaire							

1.3. SANTE

	1. (Nom) est-il (elle) tombé(e) malade au cours de ces 15 derniers jours	2. A-t-il (elle) reçu(e) une consultation médicale ?	3. Qui a-t-il (elle) consulté?	4. Pourquoi ?	5. Combien d'heures et de minutes faut-il marcher pour arriver au lieu de la consultation ?	6. A combien s'élève les frais de santé occasionnés par cette consultation	7. (Nom) bénéficie-t-il (elle) des services liés à la possession de la carte d'assurance maladie ou de la mutuelle de la fonction publique
N°	1. Oui 2. Non \Rightarrow 7	1. Oui 2. Non \Rightarrow 4	1. Guérisseur trad. 2. Tradipraticien 3. Matrone 4. Un infirmier 5. Un médecin 6. Pharmacien 7. Autre $\Rightarrow 5$	1. Eloigné 2. Pas d'infrastructures. 3. Pas d'argent 4. Trop cher 5. Manque de moyens de transport 6. Autre	Heures Minutes	(le montant) en FBU.	1. Oui 2. Non
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SECTION 2.1 EMPLOI DES MEMBRES DU MENAGE (Occupation principal des personnes âgées de 7ans et plus exercé en 2007)

ID du M E M B R E	1. Quel est le statut d'occupation actuel de la personne ?	2. Quel est l'occupation principal actuel de la personne?	3. Quelle sorte de travail fait-il/elle spécifiquement ?	4. Depuis quand exerce-t-il /elle cet emploi principal actuel	5. Combien de jours par mois exerce-t-il/elle ce travail ?	6. Quel est le revenu tiré de ce travail ? (à remplir seulement pour les codes occupation 4-12 !!)	7. Unité de temps utilisée (à remplir seulement pour les codes occupation 4-12 !!)
		1. Occupé => 2 2. Inoccupé ayant déjà travaillé 3. Inoccupé n'ayant jamais travaillé 4. Elève/Etudiant 5. Femme au foyer 6. Retraité/Rentier 7. Militaire / PSP 8. Autres inactifs Si 2, 3, 4, 5, 6, 7, 8 ⇒ Pers. Suiv.	(Voir codes d'occupation) Si code 01, 02 ou 03, => 4	(Voir codes des activités non agricoles)	Mois et Année	Nombre de jours	6a. Payé en nature ? 1. Oui 2. Non
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4.	[]	[]	[]	[] []	[]	[]	[]
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15.	[]	[]	[]	[] []	[]	[]	[]

<u>CODES D'OCCUPATIONS</u>	
01.	Agriculteur avec au moins une culture d'exportation (café, thé, coton)
02.	Agriculteur sans culture d'exportation
03.	Elevage
04.	Employé du secteur public
05.	Employé du secteur parapublic
06.	Employé du secteur privé agricole
07.	Employé du secteur privé non-agricole
08.	Artisanat
09.	Commerçant ou vendeur
10.	Aide familial
11.	Apprenti
12.	Autre (à préciser)

<u>CODES TRAVAUX NON AGRICOLE</u>	
01	Menuiserie
02	Vannerie
03	Atelier de couture
04	Salon de coiffure
05	Atelier de réparation des postes-radio et de téléviseurs
06	Garage pour réparation des véhicules
07	Broderie
08	Tannerie
09	Atelier de réparation des chaussures
10	Forge
11	Poterie
12	Briqueterie /Tuilerie
13	Boulangerie artisanale
14	Atelier de soudure
15	Photographie
16	Lavanderie / Blanchisserie
17	Meunier
18	Atelier de réparation des vélos
19	Menuiserie métallique
20	Commerce
21	Transport bus/taxi
22	Restauration
23	Boucherie
24	Fonctionnaire
25	Enseignant
26	Autres (à spécifier :)

SECTION 2.2 EMPLOI DES MEMBRES DU MENAGE (Occupation secondaire)

ID du Membre	1. Est-ce que la personne a un travail secondaire ?	2. Pourquoi n'a-t-il/elle pas un travail secondaire ?	3. Quel est son travail secondaire?	4. Quelle sorte de travail est-ce qu'il/elle fait spécifiquement ?	5. Depuis quand est-ce que la personne exerce son emploi secondaire ?	6. Combien de jours par mois est-ce qu'il/elle exerce ce travail ?	7. Quel est le revenu tiré de ce travail ? (à remplir seulement pour les codes occupation 4-12 !!)	8. Unité de temps utilisée (à remplir seulement pour les codes occupation 4-12 !!)	CODES TRAVAUX NON AGRICOLES	
Membre	1. Oui =>3	1. pas de travail disponible 2. pas besoin de travail secondaire 3. pas les qualifications nécessaires 4. pas de temps 5. autres => Personne Suivante	(Voir codes des travaux d'occupation)	(Voir codes des travaux non agricoles)	Mois et Année	Nombre de jours	7a. Payé en nature ? 1. Oui 2. Non	7b. Montant par unité de temps Si payé en nature, convertissez en FBU	1. Jour 2. Semaine 3. Mois	01 Menuiserie 02 Vannerie 03 Atelier de couture 04 Salon de coiffure 05 Atelier de réparation des postes-radio et de téléviseurs 06 Garage pour réparation des véhicules 07 Broderie 08 Tannerie 09 Atelier de réparation des chaussures 10 Forge 11 Poterie 12 Briqueterie /Tuilerie 13 Boulangerie artisanale 14 Atelier de soudure 15 Photographie 16 Lavanderie / Blanchisserie 17 Meunier 18 Atelier de réparation des vélos 19 Menuiserie métallique 20 Commerce 21 Transport bus/taxi 22 Restauration 23 Boucherie 24 Fonctionnaire 25 Enseignant 26 Autres (à spécifier :)
	2. Non	Si codes 01, 02 ou 03 => 5								
1.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
2.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
3.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
4.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
5.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
6.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
7.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
8.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
9.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
10.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
11.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
12.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
13.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
14.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		
15.	[]	[]	[]	[]	[] []	[]	[] [] [] [] []	[]		

2.3. SPECIFICITES sur l' EMPLOI NON AGRICOLE (uniquement pour les personnes qui ont exercé un travail non agricole dans la période 1998-2007)

1. Dans la période 1998-2007, est-ce que au moins un(e) personne du ménage a exercé un travail non agricole payé (exclus les travaux accidentels)? 1. Oui 2. Non ⇒ section 3

2. ID du M E M B R E	3. Nombre de travaux non agricoles différents exercé par cette personne entre 1998 et 2007	4. Quel travail était le plus important en terme monétaire ?	5. Pendant combien de temps a-t- il/elle exercé ce travail (le plus important) ?	6. Comment a-t-il/elle apris à faire ce travail ?	7. Est-ce que ce travail a déjà été mis en fin ?	8. Qui a mis fin à cet emploi ?	9. Pourquoi l'emploi a été terminé ?	10. Est-ce qu'il/elle pense que l'employeur le/la respectait/re specte ?	11. Est-ce qu'il/elle faisait/fait confiance à l'employeur?	CODES TRAVAUX NON AGRICOLE
										01 Menuiserie
										02 Vannerie
M	Nombre	(Voir codes des travaux non agricole)	Nombre de mois	1. Travailler avec parents /autres membres de famille 2. Travailler avec autres qui ont plus d'expérience 3. Ecole (éducation) 4. Education hors l'école 5. auto-didact 6. Autre (spécifier)	1. Oui 2. Non => 9	1. lui-même/ elle- même 2. L'employeur 3. tous les deux 4. la durée de l'emploi était pré déterminé	1. Il n'a y plus de travail à faire 2. A cause de la crise 3. L'employé(e) n'était plus/pas content(e) 4. L'employeur n'était plus/pas content 5. Autres (à spécifier :)	1. Oui 2. Non 9. Non applicable (si la personne lui- même est l'employeur)	1. Oui 2. Non 9. Non applicable (si la personne lui- même est l'employeur)	03 Atelier de couture
E										04 Salon de coiffure
B										05 Atelier de réparation des postes- radio et de téléviseurs
R										06 Garage pour réparation des véhicules
E										07 Broderie
										08 Tannerie
										09 Atelier de réparation des chaussures
										10 Forge
										11 Poterie
										12 Briqueterie /Tuilerie
										13 Boulangerie artisanale
										14 Atelier de soudure
										15 Photographie
										16 Lavagerie / Blanchisserie
										17 Meunier
										18 Atelier de réparation des vélos
										19 Menuiserie métallique
										20 Commerce
										21 Transport bus/taxi
										22 Restauration
										23 Boucherie
										24 Fonctionnaire
										25 Enseignant
										26 Autres (à préciser :)
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Section 3 : FECONDITE et ANTHROPOMETRIE (Fécondité : Femmes-mères entre 15 et 49 ans, **tous les enfants que la femme a mis au monde dans sa vie**, inclus les enfants qui sont décédés).

SECTION 4. MIGRATIONS TEMPORAIRES

Absence du rugo pour raisons d'insécurité, de travail, de famine ou autre AU MOINS TROIS MOIS (cette section concerne seulement les membres ACTUELS du ménage !!)

1 Est-ce qu'entre 1998 et 2007, un ou plusieurs membres du ménage ont migré temporairement (pour plus de 3 mois) ?

SECTION 5.1 CHOCKS INDIVIDUELS. (Tous les membres du ménage en 2007, occurrence des chocs entre 1998 et 2007)

Code du membre du ménage	1. Nombre de fois entre 1998 et maintenant, qu'il/elle a été très malade pendant au moins 1 mois ?	2. Nombre total de mois qu'il/elle n'a pas exercé votre activité principale (école, travaille,...) à cause de cette maladie ?	3. Entre 1998 et maintenant, avez-vous été en prison ?	4a. Date d'entrée en prison	4b. Date de sorti de la prison	5. Depuis 1998, a-t-il/elle perdu l'usage d'un ou plusieurs bras / pieds / jambes / mains / yeux ... ?	6. Quelle est la raison ?	7. Entre 1998 et maintenant, avez-vous volontairement rejoint un mouvement armé ?	7a Date d'entrée dans le mouvement armé	7b Durée de l'appartenance à ce mouvement	7c. Statut de première occupation après la sorti du mouvement armé.
		Ecrit 0 (zéro) si jamais très malade Si 0 ⇒ 3	Nombre de mois	1. Oui 2. Non ⇒ 5	Mois : Année	Mois : Année	1. Oui 2. Non ⇒ 7	1. Maladie 2. Accident 3. Violence liée à la crise 4. Autres (à préciser)	1. Oui 2. Non ⇒ pers. Suiv.	Mois : Année	Années : Mois
1.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
2.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
3.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
4.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
5.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
6.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
7.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
8.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
9.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
10.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
11.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
12.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
13.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
14.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□
15.	□	□□□	□	□□□□	□□□□	□	□	□	□□□□	□□□□	□

SECTION 5.2 CHOCS INDIVIDUELS Suite (Tous les membres du ménage en 2007, occurrence des chocs entre 1998 et 2007)

Code de membre de ménage	8a. Est-ce q'il/elle a été victime d'une embuscade sur la route ?	8b. Si oui, donnez le mois et l'année de l'embuscade (si plusieurs, le plus grave)	9a. Est-ce qu'il/elle a été capturé ou kidnappé?	9b. Si oui, donnez le mois et l'année de cette kidnapping ou enlèvement	9c. Durée de ce kidnapping ou enlèvement	10a Est-ce qu'il/elle a été obligé de travailler sans rémunération	10b Combien de fois cela s'est passé	11a. Est-ce qu'il/elle a été frappé, torturé ou menacé?	11b. Combien de fois cela s'est passé	12a. Est-ce qu'il/elle a dû payer des cotisations?	12b. Si oui, donnez le montant total de ces cotisations (entre 1998 et 2007)
		1. Oui 2. Non Non ⇒ 9a	Mois : Année Mois 2. Non Non ⇒ 10a	1. Oui 2. Non	Mois Année Non ⇒ 10a	Donnez le nombre de mois que la personne a été capture ou enlevé	1. Oui 2. Non Non ⇒ 11a	Nombre de fois	1. Oui 2. Non Non ⇒ 12a	Nombre de fois	1. oui 2..Non Non ⇒ Pers Suiv
1.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
2.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
3.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
4.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
5.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
6.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
7.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
8.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
9.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
10.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
11.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
12.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
13.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
14.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []
15.	[]	[] []	[]	[] []	[]	[]	[]	[]	[]	[]	[] [] []

SECTION 5.3 : CHOCS AU NIVEAU DU MENAGE (Pouvez-vous me dire au cours de quelles années, dans la période 1998-2007, si votre ménage a vécu les évènements suivants. Veuillez remplir pour chaque année : codes 1 (=oui), si on a vécu l'événement ; 2 (=non) si on n'a pas vécu l'événement ; marquez le code 9 « NON APPLICABLE » si le ménage n'était pas encore constitué dans une certaine année (les ménages split off))

1. Chocs liées au climat	Donnez au maximum les 3 années durant lesquelles ces évènements étaient les plus importants								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
1 Trop de pluie									
2 Manque de pluie/sécheresse									
3 Maladie touchant un ou plusieurs produits agricoles									
4 Très mauvaises récoltes									
5 Très bonnes récoltes									
6 Destruction (partielle) de la maison à cause de la pluie									
7 Glissement(s) de terre(s) / érosion de terre très sévère									
2. Chocs liées à la crise	1999	2000	2001	2002	2003	2004	2005	2006	2007
1 Vol d'argent à la maison									
2 Vol des produits agricoles									
3 Vol ou destruction des biens du ménage (sauf maison)									
4 Destruction de la maison à cause de la violence									
5 Perte d'une partie des terres cultivées									
3. Chocs économiques	1999	2000	2001	2002	2003	2004	2005	2006	2007
1 Pas d'accès aux intrants agricoles (engrais chimiques, semences)									
2 Hausse des prix des intrants agricoles									
3 Manque de marché pour les produits agricoles									
4 Baisse des prix des produits agricoles (output)									
5 Recourir à la vente des champs ou des terres ?									
6 Recourir à la vente de tôles de votre maison ?									
7 Réception de l'aide humanitaire									

SECTION 6. LOGEMENT ET SERVICES COMMUNAUTAIRES

6.1. STATUT D'OCCUPATION DU LOGEMENT ET SOURCES D'APPROVISIONNEMENT EN EAU ET ENERGIE

1. Le ménage existait-il dans le même logement il y a 12 mois?

1. Oui 2. Non

	2. Quel est le statut d'occupation du logement?	3. Quelle est la principale source d'approvisionnement en eau?	4. Quelle est la principale source d'éclairage dans le ménage?	5. Quelle est la principale source d'énergie pour la cuisine?
	1. Propriétaire 2. Locataire 3. Location vente 4. Logé gratuitement 9. Non applicable	1. Rivière, lac, ruisseau 2. Puits 3. Fontaine public 4. Robinet privé 5. Source aménagée (Rusengo) 6. Eau acheté 9. Non applicable	01. Lampe tempête à pétrole 02. Electricité (compteur individuel) 03. Electricité (compteur collectif) 04. Energie solaire 05. Gaz 06. Biogaz 07. Bobèche (ikoroboyi) 08. Bougies 09. Piles 10. Groupe électrogène 11. Bois de chauffage 99. Non applicable	01. Bois ramassé 02. Bois acheté 03. Charbon de bois 04. Gaz 05. Tourbe (Ibizuku) 06. Electricité 07. Pétrole 08. Biogaz 09. Déchets végétaux 10. Déchets animaux 99. Non applicable
Maintenant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Il y a 12 mois	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6.2. ACCES AUX SERVICES COMMUNAUTAIRES

Services communautaires	1. Combien de temps faut-il pour se rendre à pied (nom du service) le plus proche?	2. Y a-t-il des membres du ménage qui utilisent ce service?	3. Pour s'y rendre quel est le moyen le plus utilisé?	4. Pourquoi ?
	1. Moins de 15 min. 2. De 15 à 30 min. 3. De 30 min. à une heure 4. De une heure à deux heures 5. De 2 heures à un demi-journée 6. Une demi-journée et plus 9. Non applicable ⇒ Service suiv.	1. Oui 2. Non => 4	1. A pied 2. A bicyclette 3. A moto 4. Avec automobile => Service suiv.	1. Trop cher 2. Trop loin 3. Mauvaise qualité du service 4. Autre
1. Marché	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Boutique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Point d'eau potable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. COOPEC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Coopérative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Ecole Primaire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Dispensaire ou centre de santé	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Arrêt bus / taxi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 7. : AGRICULTURE ET ELEVAGE.
7.1. Agriculture.

 1. Est-ce que des membres de votre ménage exploitent des champs ?

1. Oui
-
2. Non => 7.4.

1. Cultures	2. Quelle était la production pendant la saison IMPESHI ? (Unités locales/kg/ Litre...) Si le ménage ne cultive pas la culture, marquez 999999 dans la case et continuez avec la culture suivante.	3. Quantité vendue	4. Principaux lieux de vente	5. Quel montant de revenu le ménage a-t-il reçu au cours de la saison IMPESHI ?	6.1 Avez-vous utilisé d'engrais pendant la dernière saison?	7.1 Pourquoi ? (Engrais chimique)	7.2 pourquoi ? (Engrais organique)
			1. Bord de la route 2. Marché 3. Négociant / commerçant 4. Coopérative 5. Usine 6. Bord du champ 7. Autre à préciser		1 Oui 2. Non <input type="checkbox"/> 2 => 7 6.2 Engrais chimique 6.3 Engrais organique, composte	1. Non disponible 2. Trop cher 3. Ne sait pas utiliser 4. Pas nécessaire 5. Autre raison	1. Non disponible 2. Trop cher 3. Ne sait pas utiliser 4. Pas nécessaire 5. Autre raison
	Quantité	Unité	Quantité	Unité		1. Oui 2 Non	
1. Haricot	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Petits pois	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Soja	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Riz paddy	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Blé	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Sorgho	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Maïs	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Banane légume	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Banane à bière	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Pomme de terre	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Patate douce	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Manioc	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Colocase	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Choux	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Carottes	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Oignons	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Poireaux	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Tomate	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Noix de palme	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Café	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

21. Thé										
22. Coton										
23. Tabac										

7.2 Culture de café

1. Est-ce que le ménage a des plantations du café actuellement ? (1. Oui, 2. Non)

Si non, pourquoi? (Voir codes 7.2)

2. Deuxième ligne : pendant l'année X aviez-vous des plantations du café (1. Oui ; 2. Non)

3. Troisième ligne : le nombre de cafiers en possession pour chaque année

4. Quatrième ligne : le revenu du café en fBU pour chaque année (en milliers de fBU) ?

	1999	2000	2001	2002	2003	2004	2005	2006	2007
2.	<input type="checkbox"/>								
3.									
4..									

Codes 7.2

- | | |
|--|--|
| 1. pas rentable, prix trop bas
2. terres insuffisantes
3. ne pousse pas bien par ici
4. le café nécessite trop de travail | 5. Pas intéressant
6. Pas de plants disponibles
7. Pas de conseiller pour nous aider
8. Autres (à spécifier...) |
|--|--|

7.3 Les Champs

1. Combien de champs le ménage possède-t-il ?

2. Combien de champs le ménage exploite-t-il ?

3. Numéro d'ordre du champ exploité	4. Surface du champ (en m ²)	5. Mode d'exploitation ?	6. Mode d'acquisition du champ ?	7. Depuis quand exploitez-vous ce champ ?	8. Quel usage faites-vous de ce champ ?	9. En cas de location, quel est le loyer par an (en fBU) ?	10. D'après vous, quelle est la probabilité que ce champ sera exproprié ?	11. Temps de marche de l'enclos au champ en minutes ?	12. Citez les trois cultures principales. Commencez avec la plus importante en terme de revenu.	13. Nombre de cafiers sur ce champ	14. Comment luttez-vous contre l'érosion ?
		voir codes 5	Voir codes 6	Mois et Année	(Voir codes 8)		Voir code 10	Nombre de minutes	Voir codes des cultures section 7.1 (colonne 1)		Voir codes 14
01		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
02		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
03		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
04		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
05		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
06		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
07		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
08		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
09		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
14		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Codes 5

1. propriétaire avec titre
2. propriétaire sans titre
3. locataire
4. usage gratuit
5. Autres (à préciser :
.....)

Codes 6

1. acheté
2. emprunté
3. héritage
4. occupé temporairement
5. terre distribuée par l'état/authorité communale
6. un don
7. Autre (à préciser :)

Codes d'usage 8

1. je cultive moi-même le champ
2. je partage ce champ avec quelqu'un
3. j'ai prêté ce champ dans une association
4. pâturage
5. arbres/boisement
6. arbres fruitiers
7. régénérer/ jachère
8. Autre...(à préciser...)

Codes 10

1. pas de problèmes ; 2 probable ; 3 fort probable ; 4 je ne sais pas

Codes 14

1. je ne fais rien
2. je ne cultive pas
3. je plante des arbres
4. je fais des terraces
5. je fais des fossés
6. Je fais des haies anti-érosives
7. autres

7.4 Elevage

1. Votre ménage a-t-il élevé du bétail (bovins, ovins, porcins et caprins) entre janvier 1999 et maintenant ? (Oui: 1; Non: 2) Si Non => Question 11

2. Année	3. Nombre de bovins en possession en mois de janvier de chaque année	4. Raison(s) pour la diminution/ l'augmentation d'une année à l'autre (en cas de plusieurs raisons, spécifiez au maximum deux, commencez avec la raison la plus importante!)	5. Nombre de ovins en possession en mois de janvier de chaque année	6. Raison(s) pour la diminution/ l'augmentation d'une année à l'autre (en cas de plusieurs raisons, spécifiez au maximum deux, commencez avec la raison la plus importante !)	7. Nombre de caprins en possession en mois de janvier de chaque année	8. Raison(s) pour la diminution/ l'augmentation d'une année à l'autre (en cas de plusieurs raisons, spécifiez au maximum deux, commencez avec la raison la plus importante !)	9. Nombre de porcins en possession en mois de janvier de chaque année	10. Raison(s) pour la diminution/ l'augmentation d'une année à l'autre (en cas de plusieurs raisons, spécifiez au maximum deux, commencez avec la raison la plus importante !)	
		voir codes 1 voir codes 2		voir codes 1 voir codes 2		voir codes 1 voir codes 2		voir codes 1 voir codes 2	
		Diminution	Augmentation	D	A	D	A	D	A
1999	LL	LL L	LL L	---	---	---	---	---	---
2000	LL	LL L	LL L	---	---	---	---	---	---
2001	LL	LL L	LL L	---	---	---	---	---	---
2002	LL	LL L	LL L	---	---	---	---	---	---
2003	LL	LL L	LL L	---	---	---	---	---	---
2004	LL	LL L	LL L	---	---	---	---	---	---
2005	LL	LL L	LL L	---	---	---	---	---	---
2006	LL	LL L	LL L	LL	LL L	LL L	LL	LL	LL L
2007 (janvier)	LL	LL L	LL L	LL	LL L	LL L	LL	LL	LL L
Maintenant	LL	---	---	LL	---	---	---	LL	---

11. Nombre actuel de volailles : LL

12. Nombre actuel de lapins : LL

Codes 1 (en cas de diminution):

- 1 Maladie/ Mort naturelle
- 2 Vol
- 3 Pillage/tueries liés à la crise
- 4 Vendu - besoin d'argent pour acheter des vivres à manger
- 5 Vendu - besoin d'argent pour payer l'école des enfants
- 6 Vendu - besoin d'argent pour

Codes 2 (en cas

- d'une augmentation) :**
1. Acheté
 2. Volé
 3. Nés
 - 4 Reçu en cadeau
 - 5 Autres raisons

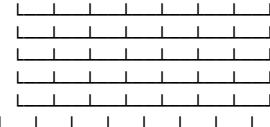
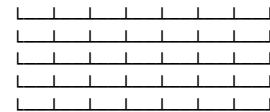
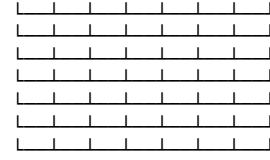
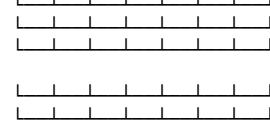
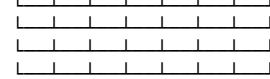
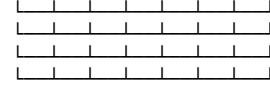
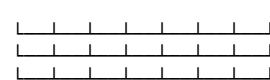
SECTION 8. ENTREPRISES NON AGRICOLES

1. Les membres de votre ménage sont ou étaient-ils propriétaires d'une ou de plusieurs entreprises non agricoles dans la période 1998 – 2007 ? 1. Oui

2. Non

CODES DES ENTREPRISES	
01. Pêche industrielle 02. Sylviculture exploitation forestière 03. Industries de première transformation des produits agricoles 04. Artisanat alimentaire 05. Industrie alimentaire 06. Artisanat du textile 07. Industrie du textile 08. Mines, Eau et électricité 09. Bois et papier 10. Industries mécaniques et garages 11. Industries chimiques 12. Artisanat divers 13. Habitat traditionnel 14. Bâtiment et travaux publics 15. Transport 16. Commerce traditionnel/informel 17. Commerce moderne/formel 18. Services traditionnels 19. Services modernes 20. Banques et assurances 21. Administration publique 22. Administration privée (ONG, ...)	
2. Nom de l'entreprise (les deux entreprises les plus importants en terme de revenu pour le ménage dans le période 1998-2007)	Nom : <input type="text"/>
3. Sorte d'activité (Voir codes des entreprises)	<input type="checkbox"/> <input type="checkbox"/>
4. Lequel des membres du ménage est/était propriétaire de cette entreprise	<input type="checkbox"/> <input type="checkbox"/>
5. Date du début de l'activité	Mois et année <input type="text"/> <input type="text"/>
6. Est-elle encore en activité ? Oui 1 => 9 Non 2	<input type="checkbox"/> <input type="checkbox"/>
7. Sinon, pourquoi? 1. Manque de débouchés 2. Problèmes d'approvisionnement en matières premières 3. Baisse des prix 4. Détruite pendant la crise 5. Insécurité liée à la crise 6. Vendue 7. Autre Quelque soit la réponse => 8	<input type="checkbox"/> <input type="checkbox"/>
8. Date de fin de l'activité	Mois et année => section 9 <input type="text"/> <input type="text"/>
9. Nombre d'employés qui reçoivent un salaire actuellement	(Nombre) <input type="text"/> <input type="checkbox"/> <input type="checkbox"/>
10. Nombre d'employés qui recevaient un salaire au début de l'activité	(Nombre) <input type="text"/> <input type="checkbox"/> <input type="checkbox"/>
11. Quels autres membres du ménage travaillent dans l'entreprise (autre que le propriétaire)	Donne le ID de chaque membre du menage <input type="text"/> <input type="text"/> <input type="checkbox"/> <input type="checkbox"/>
12. Est-ce que vous essayez a développer (agrandir) votre entreprise ? Oui 1 Non 2 => 14	<input type="checkbox"/> <input type="checkbox"/>
13. Quels stratégies/activités est-ce que vous avez entrepris pour développer l'entreprise (max trois reponses possibles, commence avec le plus important)	1. Prendre un credit bancaire 2. Acheter une autre entreprise 3. Utiliser mon réseau social 4. S'associer avec une autre entreprise qui est plus grande 5. S'associer avec une homme ou un parti politique 6. Autre (à préciser :)
14. Chiffre d'affaires pour l'année 2006	en milliers de Francs Burundais <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

SECTION 9. DEPENSES DU MENAGE.

QUESTIONS	Montant	2. Comment ont évolué ces dépenses par rapport à l'année scolaire précédente ?
Depenses scolaires 1. combien votre ménage a-t-il dépensé au cours de la dernière année scolaire en : a. Frais de scolarité (minerval) b. Livres et fournitures c. Uniformes scolaires d. Frais de transports scolaires e. Dépenses pour construction d'écoles f. Autres (à préciser :.....)		<input type="checkbox"/> 1. Augmentées <input type="checkbox"/> 2. Inchangées <input type="checkbox"/> 3. Diminuées
DEPENSES DE SANTE 3. Combien le ménage a dépendé au cours des 12 derniers mois en: a. Achat des médicaments b. Consultations médicales c. Examens médicaux d. Hospitalisation e. Alimentation et Transport		<input type="checkbox"/> 4. Comment ont évolué ces dépenses par rapport aux 12 derniers mois ? <input type="checkbox"/> 1. Augmentées <input type="checkbox"/> 2. Inchangées <input type="checkbox"/> 3. Diminuées
Depenses Habillement 5. Combien le ménage a dépendé au cours des 12 derniers mois en: a. Pagne b. Robe c. Chemises d. Pantalon e. Tissus f. Chaussures g. Confection et réparation des vêtements et chaussures		<input type="checkbox"/> 6. Comment ont évolué ces dépenses par rapport aux 12 derniers mois ? <input type="checkbox"/> 1. Augmentées <input type="checkbox"/> 2. Inchangées <input type="checkbox"/> 3. Diminuées
DEPENSES DE LOGEMENT 7. Combien le ménage a dépendé au cours des 12 derniers mois en: a. Loyer b. Réparation de maison c. Achat d'équipement du logement (meuble, couverture, draps, nappes, rideaux, sanitaires, etc...) d. Eau et électricité e. Construction et entretien des clôtures		<input type="checkbox"/> 8. Comment ont évolué ces dépenses par rapport aux 12 derniers mois ? <input type="checkbox"/> 1. Augmentées <input type="checkbox"/> 2. Inchangées <input type="checkbox"/> 3. Diminuées
DEPENSES POUR LOISIRS ET CEREMONIES 9. Combien le ménage a dépendé au cours des 12 derniers mois en: a. Cinéma b. Sports c. Lecture d. Cérémonies diverses		<input type="checkbox"/> 10. Comment ont évolué ces dépenses par rapport aux 12 derniers mois ? <input type="checkbox"/> 1. Augmentées <input type="checkbox"/> 2. Inchangées <input type="checkbox"/> 3. Diminuées
DEPENSES EN TRANSPORTS ET EN COMMUNICATION 11. Combien le ménage a dépendé au cours des 12 derniers mois en: a. Frais de déplacement ou voyage b. Achat de carburant, lubrifiant et entretien c. Téléphone, Fax, Télex d. Frais de correspondance postale		<input type="checkbox"/> 12. Comment ont évolué ces dépenses par rapport aux 12 derniers mois ? <input type="checkbox"/> 1. Augmentées <input type="checkbox"/> 2. Inchangées <input type="checkbox"/> 3. Diminuées
TRANSFERTS ET AUTRES DEPENSES 13. Combien le ménage a dépendé au cours des 12 derniers mois en: a. Pour payer les domestiques, bonnes et/ou veilleurs b. Transferts versés c. Autres Dépenses		<input type="checkbox"/> 14. Comment ont évolué ces dépenses par rapport aux 12 derniers mois ? <input type="checkbox"/> 1. Augmentées <input type="checkbox"/> 2. Inchangées <input type="checkbox"/> 3. Diminuées

DEPENSES EN PRODUITS DE CONSOMMATION COURANTES AU COURS DES 15 DERNIERS JOURS

	1. Avez-vous consommé (Nom du produit)	2. En avez-vous acheté?	3. Combien avez-vous payé?	4. Avez-vous récolté et/ou prélevé le produit dans vos stocks pour consommer?	5. Quelle quantité avez-vous récolté et/ou prélevé dans vos stocks?	6. En avez-vous reçu en cadeau	7. Quelle est la principale utilisation des cadeaux reçus	
Produits	1. Oui 2. Non =>6	1. Oui 2. Non=>4	Montant (en FBU)	1. Oui 2. Non =>6	(en unités locales)	Code d'unité	1. Oui 2. Non => Prod. Suiv.	1. Consommation 2. Vente 3. Donner en cadeau
I. Produits alimentaires								
1. Haricot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Patate douce	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Banane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Pomme de terre	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Manioc tubercule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Manioc farine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Riz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Petit pois	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Maïs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Sucre	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Huile de cuisine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Sel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Colocase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Pain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Ndagala et autres poissons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Viande	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Lait	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Miel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Choux	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Tomate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DEPENSES EN PRODUITS DE CONSOMMATION COURANTES AU COURS DES 15 DERNIERS JOURS (suite)

	1. Avez-vous consommé (Nom du produit)	2. En avez-vous acheté?	3. Combien avez-vous payé?	4 Avez-vous récolté et/ou prélevé le produit dans vos stocks pour consommer?	5. Quelle quantité avez-vous récolté et/ou prélevé dans vos stocks?		6. En avez-vous reçu en cadeau	7. Quelle est la principale utilisation des cadeaux reçus
Produits	1. Oui 2. Non ⇒ 6	1. Oui 2. Non ⇒ 4	Montant (en FBU)	1. Oui 2. Non ⇒ 6	(en unités locales)	Code d'unité	1. Oui 2. Non ⇒ Prod. suiv	1. Consommation 2. Vente 3. Donner en cadeau
21. Carottes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Oignons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Poireaux	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Aubergine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Ananas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Avocats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. Citrons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Oranges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. Mangues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>II. Boissons</u>								
30. Boissons traditionnelles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. Bière et boissons alcoolisées	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32. Limonades	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>III. Sources d'énergie</u>								
33. Bois pour la cuisine / charbon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34. Pétrole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35. Bougie	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36. Pile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37. Savon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38. Allumettes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39. Brosse à dent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40. Tabac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41. Restaurant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 10. AUTRE REVENU DU MENAGE

SOURCE DE REVENU	1. Quel montant de revenu le ménage a-t-il reçu au cours de la dernière saison Février –Juin 2007 (IMPESHI)?	Montant
24. Manioc sec		_____
25. Vente bière (banane / sorgho)		_____
26. Bétail / Volaille		_____
27. Produits de l'élevage :		_____
a. Lait		_____
b. Miel		_____
c. Œufs		_____
d. Fumier		_____
e. Poisson (pisciculture)		_____
28. Produits de la pêche		_____
29. Autres (à préciser.....)		_____
30. Vente de charbon / bois de chauffage		_____
31. Loyers		_____
32. Transferts reçus		_____

SECTION 11 : BIENS DU MENAGE

Type de bien	1. Y'a-t-il quelqu'un dans le ménage qui possède actuellement ces biens ? 1. Oui 2. Non => 3	2. combien de ces objets possédez-vous actuellement – 2007 ?	3. si quelqu'un devait acheter un objet similaire, combien devrait-il payer aujourd'hui (en fBU) ? (seulement si le ménage possède le bien)	4. Combien de ces objets possédait le ménage en 1998 ? 99 : Non applicable (split-of)
1. houe	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
2. machette/ hache	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3. chaise/ banc	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
4. matelas	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
5. lits de bois/ métal	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
6. fer a repassé	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
7. moulin traditionnel	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
8. radio	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
9. vélo	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
10. moto	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
11. Voiture	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
12. Frigo	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
13. Télévision	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

SECTION 12 : Opinions populaires, Participation Publique, Conflits et Confiance

12.1 Conflits et Confiance

1. Pendant l'année passée, avez-vous ou autres membres de votre ménage vécu les événements suivants :	1. Oui 2. Non
1. conflit foncier	<input type="checkbox"/>
2. conflit d'argent	<input type="checkbox"/>
3. conflit sur la dot ?	<input type="checkbox"/>
4. conflit concernant un emploi ou une autre position rémunérée	<input type="checkbox"/>
5. autre conflit, à préciser :	<input type="checkbox"/>

2. Est-ce que vous aviez confiance à :	(voir codes confiance)
1. les membres de son propre ménage	<input type="checkbox"/>
2. les membres de la grande famille	<input type="checkbox"/>
3. les gens de sa propre colline	<input type="checkbox"/>
4. les gens en général	<input type="checkbox"/>
5. les enseignants à l'école	<input type="checkbox"/>
6. l'armée Burundaise	<input type="checkbox"/>
7. la police nationale	<input type="checkbox"/>
8. la justice	<input type="checkbox"/>
9. les autorités politiques locales	<input type="checkbox"/>
10. les autorités politiques nationales	<input type="checkbox"/>

CODES CONFIANCE
 1. Pas du tout
 2. Un tout petit Peu
 3. Un peu
 4. Ni peu, ni beaucoup
 5. Beaucoup
 6. Trop
 9. Non applicable

3. En general, est-ce que vous trouvez qu'on peut avoir confiance à la plupart des gens, ou faut-il être sur le quivive tout le temps	<input type="checkbox"/>
1. On peut avoir confiance 2. Il faut être sur le quivive	
4. Est-ce que vous osez confier l'argent aux :	1. Oui 2. Non 9. Non applicable
1. membres de votre propre ménage	<input type="checkbox"/>
2. membres de la grande famille	<input type="checkbox"/>
3. gens de sa propre colline	<input type="checkbox"/>
4. gens en général	<input type="checkbox"/>
5. Est-ce que la plupart des gens de votre colline vous aide en cas de besoin ? 1. OUI 2. NON	<input type="checkbox"/>
6. S'il y a un problème d'approvisionnement d'eau dans la colline, est-ce que les gens de la colline vont spontanément réparer le problème ? 1. OUI 2. NON	<input type="checkbox"/>
7 Quel est votre jugement sur l'évolution de la confiance entre les gens de votre colline entre la période 1998 et 2007 ? Donne un chiffre de 1 (très bas) a 10 (très élevé) pour le niveau de confiance en 1998 et 2007	1998 <input type="checkbox"/> 2007 <input type="checkbox"/>

12. 2 Participation Publique

1. ELECTIONS		Réponds OUI 1 ou NON 2 pour chaque adulte > 17 dans le ménage				
ID du membre adulte du menage		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.1 Est-ce qu'il /elle a voté dans le référendum constitutionnel de février 2005 ?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.2 Est-ce qu'il /elle a voté dans les élections législatives		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.3 1 Est-ce qu'il /elle a voté dans les élections communales		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. ASSOCIATIONS						
ID du membre adulte du menage		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.1 Est-ce qu'il/elle est membre d'une église ? Laquelle ? 1. Non 2. catholique 3. protestante 4. pentecôtiste 5. Islam 6. autres		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Est-ce qu'il/elle est membre d'une association ou une organisation (autre que église) ? Réponds oui 1 ou non 2 pour chaque adulte > 17 dans le ménage		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. 3.1 Si oui : il s'agit de quelle type d'organisation ? Max 3, commence avec le plus important pour vous		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type d'organisation ou association 1 Voir code 6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3.2 degré de participation ? Voir code 7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. 3.3 Type d'organisation 2 Voir code 6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. 3. 4 degré de participation ? Voir code 7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 5 Type d'organisation 3 Voir code 6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. 3.6 degré de participation ? Voir code 7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Code des activités:

1. Plantation des arbres
2. Creuser des fossés
3. Construire une route
4. Construire une église
5. Construire une école
6. Autres (à préciser)
:)

Code 6 TYPE d' organisation

1. Association des agriculteurs/pêcheurs
2. Une coopérative
3. Association de commerce
4. Association professionnel
5. Syndicat
6. Association de finance ou crédit
7. Groupe écologique
8. Association de voisinage
9. Association civile
10. ONG
11. Association culturelle
12. Association politique
13. Association de jeunesse
14. Association des femmes
15. Association des parents
16. Commission
17. Association pour la santé
18. Association de sports
19. Autres, spécifiez

Code 7 DEGRE DE PARTICIPATION

- 1 Chef de l'organisation
- 2 Très actif dans l'organisation
- 3 légèrement actif dans organisation
- 4 Peu actif dans l'organisation

3. ACTIVITES COMMUNAUTAIRES

ID du membre adulte de menage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. 1. Dans les 12 mois passé, est-ce qu'il/elle a participé dans les travaux communautaires chaque samedi ? 1 Oui 2 Non si Oui=>3.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2. si non, pourquoi ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3. Dans les 12 mois passé, est-ce qu'il/elle a participé dans des autres activités communautaires ou collectives volontairement ? 1 Oui 2 Non => sect. 13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4. Il s'agit de quelles activités ? Nommez max 3 (voir code des activités)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activité 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activité 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activité 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5. Nombre des jours que la personne a participé dans les activités collectives volontairement (toutes les activités prises ensemble) dans les 12 mois passés	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. Santé Mentale des adultes dans le ménage (tous les membres dont l'âge est >17)

CODE 2

1. Pauvreté
2. Stress des examens
3. La crise
4. Maladies
5. Problèmes socio-familiaux
6. Fatigue
7. Insomnie de la vieillesse
8. -

	<u>CODE 6</u>
1.	Indigence
2.	Chômage
3.	La crise
4.	Vieillesse
5.	Autres

		<u>Code 12</u>		
1. Etre déplacé	6. Insécurité	11. Maladies liées a la pauvreté		16.
Pas accès aux soins de santé				
2. Perte des proches	7. Prise en charge des rescapés	12. Maladies liées a la		
guerre	17. La guerre a paralysé mes projets			
3. Abandon scolaire	8. Dévaluation de la monnaie	13. Suspicion		18.
Problèmes de ménage				
4. Pauvreté	9. Chomage	14. Pas de crédit financier	19. Autres	
5. Perte des biens	10. Découragement	15. Tron de personnes		

Section 14 : Perception subjective du bien-être (cette section est seulement pour les ménages originels, pas pour les split-offs !!)

REMARQUE POUR L'ENQUETEUR

Le point de référence pour **les riches** dans les questions suivantes sont les gens ou les ménages riches au **niveau local**, c'est-à-dire au **niveau de la colline**.

1. Très Riche

2. Riche

3. Confortable

4. Moyen (il se débrouille)

5. Pauvre

6. Très pauvre

1. Voici un schéma représentant une échelle de prospérité à 6 valeurs. Selon votre sentiment personnelle :

1.1. Sur quel échelon vous situez-vous **actuellement (en 2007) ?**
[]

1.2 Et sur quel échelon vous situez-vous **s il y a 9 ans (en 1998) ?**
[]

1.3 . Et sur quel échelon vous situez-vous **il y a 15 ans (en 1993**
- []

juste avant avant le début de la crise) ?

REMARQUE POUR L'ENQUETEUR pour la page suivant

Pour comprendre si l'interviewée a indiquer une évolution positive, négative ou une stagnation, il faut comparer la réponse sur la question 1.1 (le **niveau actuellement** sur l'échelle) avec la réponse sur la question 1.2 (**le niveau en 1998** sur l'échelle). **Il ne faut pas** comparer avec la réponse sur la question 1.3 (**le niveau en 1993** sur l'échelle)

- Si le chiffre indiquant la situation actuelle (1.1) **est plus bas** que le chiffre indiquant la situation en 1998 (1.2) - allez vers option 1
- Si le chiffre indiquant la situation actuelle (1.1) **est plus haut** que le chiffre indiquant la situation en 1998 (1.2) - allez vers option 2
- Si le chiffre indiquant la situation actuelle (1.1) **est le même** que le chiffre indiquant la situation en 1998 (1.2) - allez vers option 3

La codification se passe APRES l' interview, écrit en plain les réponses du ménage.

-

1. (Seulement s'il y a une évolution positive entre 1998 et 2007)

Quels sont les trois principaux facteurs qui vous ont permis de changer de niveau ?

a. _____

b. _____

c. _____

2. (Seulement s'il y a une évolution négative entre 1998 et 2007)

Quels sont les trois principaux facteurs qui ont contribué à ce changement de niveau ?

a. _____

b. _____

c. _____

3. (Si il n'y a pas de changements entre 1998 et 2007)

Quels sont les trois principaux facteurs qui ont contribué à ce que votre situation ne change pas ?

a. _____

b. _____

c. _____