

REPUBLIC DU NIGER

Africa Region Standard File Series

DIRECTION DE LA STATISTIQUE ET DES COMPTES NATIONAUX

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INTRODUCTION¹

The first report had the principal results relating to the social indicators of the investigation on the Questionnaire of the Basic Indicators of Wellbeing (QUIBB), the first investigation of this kind realized in our country. This will be followed by a publication relating to the household expenses, the poverty profile, the appropriations and savings of the households and finally the community activities and the perception of their living conditions.

The investigation was carried out from April 14 to July 11, 2005 and relates to a sample of 6,700 households. The questionnaire used was a standard questionnaire developed by the World Bank, the UNDP, the UNICEF and the ILO. The QUIBB provides the principal basic indicators of the well-being, relating to the elimination of illiteracy of the adults, basic education, health and the nutrition, the access to drinking water and employment. The indicators of education and health are centered on the use, the access and the quality of the provision of provided services. The investigation also determines the characteristics of the habitat, the assets, the access to the community infrastructures (markets and services of public transport) and the perception of the households on their own economic situation and that of their community.

The specificity of the QUIBB is due to the fact that it tried out and made a success of the use of the data processing by optical character reading. Thus, all the procedures of treatment are standardized and automated. This technique of investigation made it possible to shorten the times of processing the data and the diffusion of the results. The principal results obtained constitute priceless contributions for obtaining reliable data and brought up to date for the follow-up of the Strategy of Reduction of Poverty (SRP) and the Objectives of the Millennium for Development (OMD).

1.1: Context and objectives

Niger is a country in the Sahel region marked by strong instabilities on the climatic level and by a very high vulnerability from an economic standpoint and food. It is one of the vastest countries of West Africa with a surface of 1,267,000 Km². It is equipped with very weak natural resources. Only 12% of its surface favors subsistence agriculture, which occupies 85% of its population and the three quarters of this population live on the southern fringe favorable with agriculture. Moreover, its demographic growth increase was estimated on average at 3.3% per annum between the general census of the population of 1988 and that of 2001. This demographic growth involves new requirements in basic essential services.

On the one hand, the drastic climatic conditions, the strong demographic pressure, decrease in soil fertility, the degradation of the natural resources (water, soil, pasture, forest) strongly contributed to increased vulnerability of the households natives of Niger and, on the other hand, the economic evolution of the country, during the period 1990-2000, was characterized by a weak growth with a real rate annual average of 1.9%.

The interaction of these factors had a consequence of precariousness of the living conditions of the population.

The diagnosis established within the framework of the preparation of the round table on poverty in Niger showed that the phenomenon of poverty takes on a general, multidimensional character and appears on all the levels:

1. On the level of the State: the budgetary resources, in stagnation since many years, vis-à-vis a fast growth of the population in same time, do not make it possible any more to release the means of operation and investment which require the maintenance of the quality of the rates of schooling and medical cover, remained among the low in the world.
2. On the level of the population: according to the profile of poverty in Niger, a strong proportion of the population does not manage to satisfy its essential requirements in food, housing, healthcare, to quote a few. With an IDH of 0.281 Niger is classified 177th on 177 countries in 2003.

To comprehend the living conditions of the households, several studies and investigations were carried out. The examination of the whole of this work shows that the current information system provided an important effort of collection. However, the data available making it possible to determine the standard of living of the population is either outdated or

¹ Introduction translated from the Niger's report

partial. Indeed, the data having been used for the realization, in 1994, from the first study on the "Profile of Poverty" in Niger date back from 1989/1990 (for the urban environment) and 1992/1993 (for the rural area). With regards to the efforts made by the various Governments which followed one another since 1992 to reduce the suffering of the populations and especially, with the actions carried out on the ground within the framework of the Strategy for Reduction of Poverty, it is probable that it has provided a structural change for this poverty profile. Consequently, it proves to be necessary to have recent data which can, inter alia, not only to account for the width of the phenomenon and its factors, but also to make it possible to identify the target population. These data must make it possible to produce several indicators translating the living conditions of the households.

Also, for a better evaluation of the projects and programs for development, the decision makers, just like the researchers need suitable indicators of the level of development of various sub-groups of population. The indicators at the national level are total and generally insufficient for the needs of planning. In addition, data-gathering for the calculation of the traditional indicators of impact measuring the changes of (1) Investigation with multiple indicators by the end of the decade, December 2000 (2) Strategy of Reduction of Poverty: Complete SRP, January 2002 (3) world Report on the Human Development in the world, UNDP 2005; level of development (for example, percentage of population below the poverty line, the number of children suffering malnutrition, etc.) must be regular, but is expensive and proves to be tiresome. To mitigate these various constraints partly, in particular the long time of processing data, a group of partners to the development whose World Bank developed a new technology of processing data of investigation (optical character reading, automatically generated standard tables) called Questionnaire of the Basic Indicators of Wellbeing (QUIBB). It is conceived, primarily to allow the follow-up of the indicators of poverty and the effects of the policies, programs and projects for development on the living standards of the households. It uses simple indicators for principal objective the identification of the groups of populations vis-à-vis to the various actions conceived to improve the social and economic condition. It is a powerful tool of quantitative of the indicators and qualitative follow-up (perception of the users on the provisions of services of education and health). Several indicators of the QUIBB can be used for the follow-up of the SRP and the indicators of the OMD. They are the level gauges of life, of the indicators of access, use and satisfaction of the public services.

The various results which rise from this study must then be located within this framework of the economic situation.

The period during which the data-gathering took place, calls for observations on the food situation of the country. Indeed, the premature stop of precipitations in 2004 and the damage caused by the invasion of locusts on crops and pastures in certain parts of Niger caused an acute food crisis, initially in the pastoral and agro-pastoral zones, then before spreading with the whole of the country. For this agricultural season 2004, the Government of Niger had evaluated the cereal deficit with 223,500 tons and the fodder deficit to 4.6 million tons. Moreover, the cattle, principal richness of the rural households of the pastoral and agro-pastoral zones, are also threatened because of insufficient pastures and the fodder deficit.

This food crisis caused an unexpected rise of the prices on the local markets, leading the Government to proceed to a sale of the cereal products at moderate price (price lower than that practiced on the market) and to a free distribution in certain localities.

In the zones strongly affected by drought and the invasion of locust, levels of malnutrition and mortality recorded were higher than the international thresholds to which the situation is described as urgent.

A. Institutional framework

The QUIBB lies within the scope of the efforts made by the National Institute of the Statistics and the World Bank to provide indicators necessary for economic and social management.

The investigation was carried out by the National Institute of the Statistics, placed under supervision of the Ministry for the Economy and Finances. The project was managed by:

- The General Manager of the National Institute of the Statistics, Director of the project;
- A cell of coordination made up of a coordinator and two statisticians of investigations;
- A data-processing cell made up of a person in charge for treatment and two data processing specialists programmers;
- An administrative and financial service.

B. Sources of financing

The operation is entirely financed by the World Bank on the CWIQ Trust Fund and Belgian Trust Fund.

The pilot investigation and the various international consultations, inter alia, were financed on the CWIQ, directly managed by the World Bank. The envelope allocated with the investigation principal taken on the Belgian Trust Fund, is managed by the National Institute of the Statistics in accordance with the draft-agreement signed between the INS and the World Bank.

C. Dates of realization

- The pilot investigation was carried out from the 5 to April 9, 2004 and had as a principal objective to test the technical documents, the data-processing equipment of treatment and especially to initiate the executives of the National Institute of the Statistics to the new technology (optical character reading of the questionnaires) of the data processing. This investigation included 500 households, for both rural and urban.
- The principal investigation started with the staff training of collection and processing data. This formation lasted 3 weeks going from March 21 to April 09, 2005. The data-gathering on the ground began indeed on April 14, 2005 with 53 investigating agents, 14 controllers and two teams of supervision and ended on July 11, 2005, a three-month duration.
- The optical character reading of the data started on May 3, 2005. This operation consisted of scanning the questionnaires coming from the field and to carry out corrections before the validation. It was carried out at six computer networks. The validated questionnaires were sent to a central station held by two controllers and a data processing specialist. These activities ended on August 5, 2005.

1.2. Methodology

1.2.1 Objectives the aims of the QUIBB are:

- To quickly provide basic socio-economic data on the main part of the level gauges of life of the population (elimination of illiteracy, education, health, nutrition of the children of less than 5 years, use, housing, possession of durable goods, agricultural production and possession of cattle).
- To allow the follow-up and the evaluation of the policies, programmes and projects of reduction of poverty on the living conditions of the populations within the framework of the implementation of the Strategy of Reduction of Poverty (SRP) as well as the follow-up of the Objectives of the Millennium for Development (OMD).

The main part of collected information relates to the access, the use and the satisfaction of households compared to the principal social services and economic provided by the administration public, deprived or households.

1.2.2 Specific objectives the QUIBB has following specificities:

- simple Questionnaire: pre-coded questions easy to manage;
- very broad Sample: 335 primary units (zone of enumeration) and 6,700 minor units (households) in Niger;
- No manual data entry: optical character reading of the data using a scanner;
- decreased production time of the results: standard tables generated automatically by the software;
- report on the results very simple and;
- possibility of repeating the investigation annually;

- Possibility of associating new modules as it is the case in Niger.

1.3 The sample

The households which were actually surveyed quantify to 6,690 instead of 6,700 envisaged. This difference is due to the fact that in a whole zone of enumeration of the area of Agadez, only 10 households were found by the team of collection for reason of mobility of the nomadic population in this ZD. It is noted that on the 6,690 surveyed households, 254 and 365 households were replaced respectively because they refused to be interviewed and therefore not included in ZD of the area of Bilma and their population. Present in the household at the time of the investigation (either 10% of replacement) as table 1.3 shows below.

Table 1: Results of the investigation by area of residence

| Regions | Households in the sample | Done with initially selected households | Households after refusal | Households refusal replacements | Not surveyed |
|-------------------|--------------------------|---|--------------------------|---------------------------------|--------------|
| Area of residence | | | | | |
| Rural | 4680 | 4350 | 105 | 215 | 10 |
| Urban | 2020 | 1721 | 149 | 150 | 0 |
| Region | | | | | |
| Agadez | 400 | 353 | 32 | 5 | 10 |
| Diffa | 500 | 470 | 2 | 28 | 0 |
| Dosso | 560 | 543 | 10 | 7 | 0 |
| Maradi | 1060 | 944 | 28 | 88 | 0 |
| Tahoua | 900 | 905 | 61 | 34 | 0 |
| Tillaberi | 1120 | 1067 | 21 | 32 | 0 |
| Zinder | 1140 | 1053 | 5 | 82 | 0 |
| C.U.N | 1020 | 836 | 95 | 89 | 0 |
| Total | 6700 | 6071 | 254 | 365 | 10 |

EXPENDITURE-LEVEL INFORMATION

File extraction

Original data files from databank used. However, the files have been checked for any inconsistencies and may be different from the original data. It is these files that are used to extract variables.

| | Source file | Sections | Output file | Variables in the output file |
|----|---------------------------|-------------------------------|-------------------------|---|
| 1. | INDATA.sav | WMS data | Table 1 BASIC INFOR.sav | COUNTRY; GEOCODE1; GEOCODE2; HID; SURVEYR; RURURB; HHSIZE; CTRY_ADQ; FAO_ADQ; WTA_HH; WTA_POP; WTA_ADQ |
| 2. | DEPCOUR.sav | Food Purchases | TABLE 2 EXFDBUY.sav | HID; FDBRDBY; FDTUBBY; FDMEATBY; FDFISHBY; FDDAIRBY; FDFATSBY; FDFRUTBY; FDVEGBY; FDBEANBY; FDSWTBY; FDBEVBY; FDALCBY; FDRESTBY; FDOTHBY; FDTOTBY |
| 3. | AUTOCONS.sav | Food Consumption | TABLE 3 EXFDPRD.sav | HID; FDBRDPR; FDTUBPR; FDMEATPR; FDFISHPR; FDDAIRPR; FDFATSPR; FDFRUTPR; FDVEGPR; FDBEANPR; FDBEVPR; FDALCPR; FDOTHPR; FDSWTPR; FDTOTPR |
| 4. | DEPOCCA.sav | Education | TABLE 4 EXEDU.sav | HID; EDTUTION; EDBOOKS; EDUNIFMS; EDEXTRA; EDRMBRD; EDTRNSP; EDMTNCE; EDAGG; EDOTHER; EDTEXP |
| 5. | DEPOCCA.sav | Health | TABLE 5 EXHLTH.sav | HID; HLCONS; HLTRSP; HLHOSPT; HLMEDC; PAID; HLPREV; HLPOST; PRENAT; HLCONS; HLTRAD; HLPROC; HLINSURE; HLEQPT; HLAGG; HLOTH |
| 6. | HHDATA.sav NFFDRNT.sav | Amenities Rent values | NFDRENT.sav | REGION; DISTRICT; CHIEFDOM; EA; URBRUR; HHNUM; HHID; HID; RNTAC; RNTIF; RNTIM; RNTHH |
| 7. | DEPOCCA.sav | Non-food frequently purchased | TABLE 6 EXNFDQ.sav | HID; NFDTBAC; NFDWATER; NPDFUEL; NFDUTIL; NFDCLOTH; NPDFMTN; NFDDOME; NFDTRANS; NFDCOMM; NFDRECRE; NFDINSUR; NFDPTAX; NFDRENTAC; NFDRENTIF; NFDRENTIM; NFDRENTTHH; NFDFOOTH; NFDTOTPR; NFDFTEXP |
| 8. | DEPOCCA.sav | Non-food | TABLE 7 | HID; NFDREPAR; NFDSEPPL; |

| | | | | |
|--|--|------------------------|---------------|---|
| | | infrequently purchased | EXNFDINFQ.sav | NFDSNPPL; NFDINVES; NFDUSEVL; NDCEREM; NFDREMCS; NFDREMFD; NFDREMOT; NFDIOTH; NFDITEXP |
|--|--|------------------------|---------------|---|

This section extracts files to use in order to generate standard files.
States which file is used and what variable selected.
Comments are above each file creation.
There are intermediate files before the tables are created.

Standard file creation

Table 1: Basic HH identifier and region classification

*Purpose: To gather the variables from the raw data required for identifying household.

***roster (section 1) collects all persons in HH.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-new\MODULE QUIBB\indata.sav'.

***country.

*use the ISO codes which assigns each country with a 2- or 3-letter code.

STRING country (A3).

COMPUTE country = "NER" .

Variable labels COUNTRY 'Country code' .

EXECUTE .

***geocode1.

*use the ISO codes.

*this is a string variable.

STRING geocode1 (A6).

IF (region = 1) geocode1 = "NE-1" .

IF (region = 2) geocode1 = "NE-2" .

IF (region = 3) geocode1 = "NE-3" .

IF (region = 4) geocode1 = "NE-4" .

IF (region = 5) geocode1 = "NE-5" .

IF (region = 6) geocode1 = "NE-6" .

IF (region = 7) geocode1 = "NE-7" .

IF (region = 8) geocode1 = "NE-8" .

Variable label GEOCODE1 'Geographical code (ISO codes)'.

EXECUTE.

***geocode2.

*use country specific codes if different from ISO codes.

COMPUTE geocode2=region.

Variable label GEOCODE2 'Geographical code'.

Value labels geocode2 1 'Agadez'
 2 'Diffa'
 3 'Dosso'
 4 'Maradi'
 5 'Tahoua'
 6 'Tillaberi'
 7 'Zinder'
 8 'Niamey'.

EXECUTE.

***Area of residence.

RECODE

urbrur (1=2) (2=1) INTO rururb .

Variable label rururb 'Area of residence'.

Value label rururb 1 'Rural'
 2 'Urban'.

EXECUTE .

***adult equivalents - FAO recommendation.

*will be aggregated to the household level file.

*used to adjust consumption expenditure to reflect household composition.

IF (b5 < 1) ADULTEQ= 0.27.

IF (b5 >= 1 and b5 <=3) ADULTEQ= 0.45.

IF (b5 >= 4 and b5 <=6) ADULTEQ= 0.61.

IF (b5 >= 7 and b5 <=9) ADULTEQ= 0.73.

IF (b5 >= 10 and b5 <=12 and b1=1) ADULTEQ= 0.86.

IF (b5 >= 10 and b5 <=12 and b1=2) ADULTEQ= 0.78.

IF (b5 >= 13 and b5 <=15 and b1=1) ADULTEQ= 0.96.

IF (b5 >= 13 and b5 <=15 and b1=2) ADULTEQ= 0.83.

IF (b5 >= 16 and b5 <=19 and b1=1) ADULTEQ= 1.02.

IF (b5 >= 16 and b5 <=19 and b1=2) ADULTEQ= 0.77.

IF (b5 >= 20 and b1=1) ADULTEQ= 1.00.

IF (b5 >= 20 and b1=2) ADULTEQ= 0.73.

IF ((b5=99 or SYSMIS(b5)) and b1=1) ADULTEQ= 1.00.

IF ((b5=99 or SYSMIS(b5)) and b1=2) ADULTEQ= 0.73.

Variable label ADULTEQ 'FAO Adult equivalent scales'.

EXECUTE .

***country equivalence scales.

*do not have any.

*will use FAO.

IF (b5 < 1) CTRY_AD= 0.27.

IF (b5 >= 1 and b5 <=3) CTRY_AD= 0.45.

IF (b5 >= 4 and b5 <=6) CTRY_AD= 0.61.

IF (b5 >= 7 and b5 <=9) CTRY_AD= 0.73.

IF (b5 >= 10 and b5 <=12 and b1=1) CTRY_AD= 0.86.

IF (b5 >= 10 and b5 <=12 and b1=2) CTRY_AD= 0.78.

IF (b5 >= 13 and b5 <=15 and b1=1) CTRY_AD= 0.96.

IF (b5 >= 13 and b5 <=15 and b1=2) CTRY_AD= 0.83.

IF (b5 >= 16 and b5 <=19 and b1=1) CTRY_AD= 1.02.

IF (b5 >= 16 and b5 <=19 and b1=2) CTRY_AD= 0.77.

IF (b5 >= 20 and b1=1) CTRY_AD= 1.00.

IF (b5 >= 20 and b1=2) CTRY_AD= 0.73.

IF ((b5=99 or SYSMIS(b5)) and b1=1) CTRY_AD= 1.00.

IF ((b5=99 or SYSMIS(b5)) and b1=2) CTRY_AD= 0.73.

Variable label CTRY_AD 'Country Adult equivalent scales'.

EXECUTE .

AGGREGATE

/OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\hsize.sav'

/BREAK= country geocode1 geocode2 hid

/hsize 'Number of persons in household' = NU(HHsize)

/fao_adq 'Sum total of Adult equivalent scales (FAO)' = SUM(adulteq)

/ctry_adq 'Sum total of Adult equivalent scales (country specific)' = SUM(ctry_ad)

/wta_hh 'Household weighting coefficient'=FIRST(hhweight)

/rururb 'Area of residence'=FIRST(rururb).

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\hsize.sav'.

COMPUTE wta_hh = hhweight .

VARIABLE LABELS WTA_HH 'Household weighting coefficient' .

EXECUTE .

***population weighting coefficient.

COMPUTE wta_pop = wta_hh*hsize .

Variable label WTA_POP 'Population weighting coefficient' .

EXECUTE.

***Adult equivalent (FAO) population weighting.

COMPUTE wta_adq = wta_hh*fao_adq .

Variable label WTA_ADQ 'Adult equivalent (FAO) population weighting coefficient' .

EXECUTE.

****year.

*survey started 2004.

COMPUTE surveyr = 2004.

Variable label SURVEYR 'Year of survey'.

EXECUTE .

SORT CASES BY

hid (A) .

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\tables\Table 1 BASIC INFOR1.sav'

/KEEP = country geocode1 geocode2 hid hsize fao_adq ctry_adq wta_hh rururb wta_pop wta_adq surveyr

/COMPRESSED.

Table 2: Food purchases

*aggregate food purchases.

*Item codeprod=396 is legume/fruit en conserve was classified under fruit.

*snack foods (codeprod=363) classified under other foods.

*Sirop (codeprod=392) classified under 'fdswtpr'.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-new\MODULE DEPENSE\depcour.sav'.

IF ((codeprod>=321 and codeprod<=335)) bread = M4.
IF ((codeprod>=336 and codeprod<=339)) tubers = M4.
IF ((codeprod>=367 and codeprod<=368)) poultry = M4.
IF ((codeprod>=369 and codeprod<=372)) meats = M4.
IF ((codeprod>=373 and codeprod<=374) or (codeprod=398)) fish=M4.
IF ((codeprod>=375 and codeprod<=378) or (codeprod=380)) dairy=M4.
IF ((codeprod=341) or (codeprod=343) or (codeprod=379) or (codeprod>=381 and codeprod<=383)) fats=M4.
IF ((codeprod>=344 and codeprod<=353) or (codeprod=396)) fruits=M4.
IF ((codeprod>=354 and codeprod<=361) or (codeprod=362)) vegetables=M4.
IF ((codeprod=340) or (codeprod=342)) pulses=M4.
IF ((codeprod>=384 and codeprod<=385) or (codeprod=392) or (codeprod=392)) sweets=M4.
IF ((codeprod>=387 and codeprod<=391) or (codeprod=395)) nonalcohol=M4.
IF ((codeprod>=393 and codeprod<=394)) alcohol=M4.
IF ((codeprod=363) or (codeprod=397) or (codeprod=399) or (codeprod=364) or (codeprod>=400 and codeprod<=403)) otherfoods=M4.
IF (codeprod>=365 and codeprod<=366) foodrest=M4.

AGGREGATE

/OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\foodby.sav'

/BREAK= hid

/fdbrdby 'Bread and cereals purchased' = SUM(bread)

/fdtubby 'Bananas and tubers purchased' = SUM(tubers)

/fdpoulby 'Poultry purchased' = SUM(poultry)

/fdmeatby 'Meats purchased' = SUM(meats)

/fdfishby 'Fish and seafood purchased' = SUM(fish)

/fddairby 'Milk, cheese and eggs purchased' = SUM(dairy)

/fdfatsby 'Oils, fats and oil-rich nuts purchased' = SUM(fats)

/fdfrutby 'Fruits purchased' = SUM(fruits)

/fdvegby 'Vegetables exclude pulses purchased' = SUM(vegetables)

/fdbeanby 'Pulses (beans and peas) purchased' = SUM(pulses)

/fdswtby 'Sugar, jam, honey, chocolate and confectionary purchased' = SUM(sweets)

/fdbevby 'Non-alcoholic purchased' = SUM(nonalcohol)

/fdalcby 'Alcoholic beverages purchased' = SUM(alcohol)

/fdothby 'Food items not mentioned above purchased' = SUM(otherfoods)

/fdrestby 'Food consumed in restaurants and canteens purchased' = SUM(foodrest).

****create remaining variables.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\foodby.sav'.

***Reference period for purchased food.

COMPUTE fdby_tr=2.

Variable label FDBY_TR 'Food purchases recall period'.

```
Value Labels fdby_tr    1 'Day'
                      2 'Week'
                      3 'Two-week'
                      4 'Month'
                      5 'Quarterly'
                      6 'Semi-annual'
                      7 'Annual'.
```

```
EXECUTE .
```

```
***Total value of purchased food.
```

```
RECODE
```

```
    fdbrdby fdtubby fdpoulby fdmeatby fdfishby fddairby fdfatsby fdfrutby fdvegby fdbeanby fdswtby fdbevby fdalcby
fdothby
    fdrestby (sysmis=0).
```

```
COMPUTE fdtotby = SUM(fdbrdby, fdtubby, fdpoulby, fdmeatby, fdfishby, fddairby, fdfatsby, fdfrutby, fdvegby, fdbeanby,
fdswtby, fdbevby, fdalcby, fdothby, fdrestby) .
```

```
Variable Labels FDTOTBY 'Total value of purchased food'.
```

```
EXECUTE .
```

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\Table 2 EXFDBUY.sav'
```

```
    /KEEP = hid fdbrdby fdby_tr fdtubby fdpoulby fdmeatby fdfishby fddairby fdfatsby fdfrutby fdvegby fdbeanby fdswtby
fdbevby fdalcby fdrestby fdothby fdtotby
    /COMPRESSED.
```

Table 3: Consumption of own produce

* Own food consumption from farm and/or enterprise.

```
GET
```

```
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
new\MODULE DEPENSE\autocons.sav'.
```

```
COMPUTE montant = (L2 * L3 * L5) .
```

```
VARIABLE LABELS montant 'Annual expenditure' .
```

```
EXECUTE .
```

```
***create variables
```

```
*Gibiers a plume (feathered game) classified under meats.
```

```
*Beurre/fromage codeprod=247 classified under fats.
```

```
IF ((codeprod>=201 and codeprod<=209)) bread = montant.
```

```
IF (codeprod>=210 and codeprod<=214) tubers = montant.
```

```
IF ((codeprod>=236 and codeprod<=237)) poultry = montant.
```

```
IF ((codeprod>=238 and codeprod<=242) or (codeprod =244) or (codeprod =248)) meats = montant.
```

```
IF (codeprod=243) fish=montant.
```

```
IF ((codeprod>=245 and codeprod<=246)) dairy=montant.
```

```
IF ((codeprod=247) or (codeprod=216)) fats=montant.
```

```
IF ((codeprod>=218 and codeprod<=225) or (codeprod=249)) fruits=montant.
```

```
IF ((codeprod>=226 and codeprod<=235)) vegetables=montant.
```

```
IF ((codeprod=215) or (codeprod=217)) pulses=montant.
```

```
AGGREGATE
```

```
    /OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\foodpr.sav'
```

```

/BREAK= hid
/fdbrdpr 'Bread and cereals auto-consumption' = SUM(bread)
/fdtubpr 'Bananas and tubers auto-consumption' = SUM(tubers)
/fdpoulpr 'Poultry auto-consumption' = SUM(poultry)
/fdmeatpr 'Meats purchased auto-consumption' = SUM(meats)
/dfishpr 'Fish and seafood auto-consumption' = SUM(fish)
/fddairpr 'Milk, cheese and eggs auto-consumption' = SUM(dairy)
/dfatspr 'Oils, fats and oil-rich nuts auto-consumption' = SUM(fats)
/dfrutpr 'Fruits purchased' = SUM(fruits)
/fdvegpr 'Vegetables exclude pulses auto-consumption' = SUM(vegetables)
/fdbeanpr 'Pulses (beans and peas) auto-consumption' = SUM(pulses) .

```

***create remaining variables.

```

GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\foodpr.sav'.

```

***'Sugar, jam, honey, chocolate and confectionary auto-consumption.

```

COMPUTE fdswtpr=0.
Variable label FDSWTPR 'Sugar, jam, honey, chocolate and confectionary auto-consumption'.
EXECUTE.

```

***non-alcoholic auto-consumption.

```

COMPUTE fdbevpr=0.
Variable label FDBEVPR 'on-alcoholic auto-consumption '.
EXECUTE.

```

***alcoholic beverages auto-consumption.

```

COMPUTE fdalcpr=0.
Variable label FDALCPR 'Alcoholic beverages auto-consumption '.
EXECUTE.

```

***Food items not mentioned above auto-consumption.

```

COMPUTE fdothpr=0.
Variable label FDOTHPR 'Food items not mentioned above auto-consumption'.
EXECUTE.

```

```

RECODE
    fdbrdpr fdtubpr fdpoulpr fdmeatpr dfishpr fddairpr dfatspr dfrutpr fdvegpr fdbeanpr fdswtpr fdbevpr fdalcpr fdothpr
(SYSMIS=0).

```

***Total value of auto-consumption food.

```

COMPUTE fdtotpr = SUM(fdbrdpr, fdtubpr, fdpoulpr, fdmeatpr, dfishpr, fddairpr, dfatspr, dfrutpr, fdvegpr, fdbeanpr,
fdswtpr, fdbevpr, fdalcpr, fdothpr).
Variable label fdtotpr 'Total value of auto-consumption food' .
EXECUTE .

```

```

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\tables\Table 3 EXFDPRD.sav'

```

```

/KEEP= hid fdbrdpr fdtubpr fdpoulpr fdmeatpr fdfishpr fddairpr fdfatspr fdfrutpr fdvegpr fdbeanpr fdswtpr fdbevpr fdalcpr
fdothpr fdtotpr
/COMPRESSED.

```

Table 4: Education

****merge all expenditure files into one file for ease of reference.
 *will use expenditure.sav file to compile tables 4-7.

GET

```

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
new\MODULE DEPENSE\biensdur.sav'.

```

MATCH FILES /FILE=*

```

/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
new\MODULE DEPENSE\depCour.sav'
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
new\MODULE DEPENSE\depocca.sav'
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
new\MODULE DEPENSE\revenus.sav'
/BY A1 A2 HID CODEPROD.
EXECUTE.

```

```

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\expenditure.sav'
/COMPRESSED.

```

****education.

*Purpose: To gather the variables from the raw data required for calculating education.
 *assumed school expenses was school fees.
 *books and furniture were lumped together therefore, they were put under books.
 *construction contribution classified under maintenance.

GET

```

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\expenditure.sav'.

```

```

IF (codeprod=501) tuition = N2.
IF (codeprod=502) books = N2.
IF (codeprod=503) uniforms = N2.
IF (codeprod=504) transport =N2.
IF (codeprod>=506 and codeprod<=507) maintenance = N2.
IF (codeprod=508) other = N2.

```

AGGREGATE

```

/OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\education.sav'
/BREAK= hid
/edtuition 'Tuition (school fees and registration)' = SUM(tuition)
/edbooks 'Text books and stationery' =SUM(books)
/edunifms 'School uniforms' = SUM(uniforms)
/edtrnsp 'Transport to school' = SUM(transport)
/edmtnce 'Fees for school maintenance' = SUM(maintenance)
/edoth 'Expenditure on education not mentioned elsewhere' =SUM(other).

```

****create remaining variables.

```
GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\education.sav'.
```

***extra-curricular activities.

```
COMPUTE edextra=0.
Variable label EDEXTRA 'Extra-curricular activities'.
EXECUTE.
```

***feeding and boarding.

```
COMPUTE edrmbrd=0.
Variable label EDRMBRD 'Feeding and boarding'.
EXECUTE.
```

```
COMPUTE edagg=0.
Variable label EDAGG 'Education expenditure if cannot be classified by above groups'.
EXECUTE.
```

```
RECODE
    edtution edbooks edunifms edtrnsp edmtnce edoth edagg edextra edrmbrd (SYSMIS=0).
```

```
COMPUTE edtexp = SUM(edtution,edbooks,edunifms,edextra,edrmbrd,edtrnsp,edmtnce,edoth,edagg) .
Variable label EDTEXP 'Total value of education'.
EXECUTE .
```

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\Table 4 EXEDU.sav'
/KEEP =hid edtution edbooks edunifms edextra edrmbrd edtrnsp edmtnce edoth edagg edtexp
/COMPRESSED.
```

Table 5: Health expenditures

*Purpose: To gather the variables from the raw data required for calculating health expenditures.

*get expenditure file created in section 4.

```
GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\expenditure.sav'.
```

```
IF (codeprod=511) consultation=N2.
IF (codeprod=509) medicines = N2.
IF (codeprod=513) medproc = N2.
IF (codeprod=510) or (codeprod=512) traditional=N2.
IF (codeprod=514) hospitalization=N2.
IF (codeprod=516) transp=N2.
IF ((codeprod=515)) other=N2.
```

```
AGGREGATE
/OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Hlthexp.sav'
/BREAK= hid
/hlcons 'Consultation fees' = SUM(consultation)
/hlmedc 'Hospitalization' = SUM(medicines)
/hlproc 'Medical procedure' = SUM(medproc)
/hltrad 'Traditional doctors and medicines' = SUM(traditional)
```

```

/hlhospt 'Hospitalization' = SUM(hospitalization)
/hltrsp 'Transport to hospital' =SUM(transp)
/hloth 'Expenditures on health not mentioned elsewhere' = SUM(other).

```

***create remaining variables for health.

```

GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Hlthexp.sav'.

```

***Health insurance.

```

COMPUTE hlinsure = 0 .
Variable label HLINSURE ' Health insurance'.
EXECUTE .

```

```

COMPUTE hleqpt = 0 .
Variable label HLEQPT 'Therapeutic equipment and appliances'.
EXECUTE .

```

***Health expenditure if cannot be classified.

```

COMPUTE hlagg = 0.
Variable label HLMEDC 'Health expenditures if cannot be classified by above'.
EXECUTE .

```

```

RECODE
    hlcons, hlmedc, hlproc, hltrad, hlhospt, hltrsp, hlinsure, hleqpt, hloth, hlagg (SYSMIS=0).

```

*** Total value of health.

```

COMPUTE hltxp = sum(hlcons, hlmedc, hlproc, hltrad, hlhospt, hltrsp, hlinsure, hleqpt, hloth, hlagg) .
Variable label HLMEDC 'Total value of health'.
EXECUTE .

```

```

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\Table 5 EXHLTH.sav'
/KEEP= hid hlcons hlmedc hltrad hlproc hlhospt hltrsp hlinsure hleqpt hlagg hloth hltxp
/COMPRESSED .

```

Table 6: Non-food frequently purchased items

*to gather the variables from the raw data required for calculating frequent non-food purchases.

* get expenditure file created in section 4.

```

GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\expenditure.sav'.

```

```

IF (codeprod=386) or (codeprod=395) tobacco=M4.
IF ((codeprod=306) or (codeprod=308) or (codeprod>=310 and codeprod<=313)) ownfurnish1 =M4.
IF (codeprod>=519 and codeprod<=520) ownfurnish2 =N2.
IF (codeprod>=115 and codeprod<=118) ownfurnish3=K4.
IF ((codeprod=309) or (codeprod=313) or (codeprod=315) or (codeprod=316)) fuels1=M4.
IF (codeprod=519) fuels2=N2.
IF (codeprod=316) or (codeprod=320) transport1=M4.
IF (codeprod>=537 and codeprod<=542) transport2=N2.
IF (codeprod>=301 and codeprod<=305) recre1=M4.

```


IF ((codeprod>=526 and codeprod<=527) or (codeprod>=548 and codeprod<=552) or (codeprod=545)) recre2=N2.
 IF ((codeprod=109) or (codeprod=110) or (codeprod>=111 and codeprod<=114)) recre3=K4.
 IF (codeprod>=306 and codeprod<=308) nfoth1=M4.
 IF ((codeprod=525) or (codeprod=528) or (codeprod=562) or (codeprod=564)) nfoth2=N2.
 IF (codeprod=520) wateruse=N2.
 IF (codeprod=521) comm=N2.
 IF (codeprod>=529 and codeprod<=536) cloth= N2.
 IF ((codeprod=524) or (codeprod=543) or (codeprod=544) or (codeprod=546) or (codeprod=547)) domeserv=N2.

COMPUTE ownfurnish = SUM(ownfurnish1,ownfurnish2,ownfurnish3) .
 EXECUTE .

COMPUTE fuels = SUM(fuels1,fuels2) .
 EXECUTE .

COMPUTE transport = SUM(transport1,transport2) .
 EXECUTE .

COMPUTE recre = SUM(recre1,recre2,recre3) .
 EXECUTE .

COMPUTE nfoth = SUM(nfoth1,nfoth2) .
 EXECUTE .

AGGREGATE
 /OUTFILE= 'C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
 update\Stdfile\freqnfood.sav'
 /BREAK= hid
 /nfdtbac 'Tobacco and narcotics' =SUM(tobacco)
 /nfdwater 'Water' =SUM(wateruse)
 /nfdfuel 'Electricity, gas, fuels and heat energy'=SUM(fuels)
 /nfdcloth 'Clothing and footwear'=SUM(cloth)
 /nfdfmtn 'Furnishings and routine household maintenance'=SUM(ownfurnish)
 /nfd dome 'Domestic household services'=SUM(domeserv)
 /nfdtrans 'Transportation'=SUM(transport)
 /nfdcomm 'Communication (postal and telephone)' =SUM(comm)
 /nfdrecre 'Recreation and culture' =SUM(recre)
 /nfdfoth 'Expenditures on frequent non-food not mentioned elsewhere' =SUM(nfoth).

***computing rent

*will use actual rent and subsidized rent to compute rent model (hedonic rent model).

GET
 FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
 new\MODULE DEPENSE\depocca.sav'.

FILTER OFF.
 USE ALL.
 SELECT IF(CODEPROD = 517>0).
 EXECUTE .

IF (codeprod=517) rentac=N2.

IF(codeprod=518) rent=N2.

EXECUTE .

AGGREGATE

/OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\rentexp.sav'
/BREAK=HID
/rentac = SUM(rentac) /rent = SUM(rent).

***compute rent

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Jane\data update\NER-2005-new\MODULE QUIBB\hhdata.sav'.

COMPUTE lnroom=Ln(g2) .

*region: dummy=Niamey.

*regional classification used to run the model.

*few rural cases with significant rent.

*Agadez and Dosso have zero rent.

IF (region = 1) Agadez=1.

IF (region = 2) Diffa =1 .

IF (region = 2) Diffa =1 .

IF (region = 3) Dosso =1 .

IF (region = 4) Maradi =1 .

IF (region = 5) Tahoua =1 .

IF (region = 6) Tillaberi =1 .

IF (region = 7) Zinder =1.

IF (region = 8) Niamey =1.

*water: dummy= privpipe.

IF (g9>=1 and g9<=3) safewater=1 .

IF (g9>=4 & g9<=7 or sysmis(g9)) unsafewater=1 .

*light: dummy= othlight.

IF (g12=2 or g12=3 or g12=5) eleclight=1 .

IF ((g12=1 or g12=6 or g12=8) or sysmis(g12)) othlight=1.

*cooking: dummy= elec.

IF (g11=4) or (g11=5) elec = 1 .

IF ((g11>=1 and g11<=3) or (g11>=6 and g11<=8) or sysmis(g11)) nonelec = 1 .

*toilet: dummy=non-toilet.

IF (g10=1) nontoil=1 .

IF (g10=2 or g10=3 or g10=5) safetoil=1 .

IF (g10=4 or g10=6 or g10=8) or sysmis(g10) unsafetoil=1 .

*wall: dummy= tinwall.

IF (g8=1) mudwall=1 .

IF (g8>=2 and g8<=6) permwall=1 .

IF ((g8=7) or (g8=8) or sysmis(g8)) othwall=1 .

*roof: dummy=other roof.

IF ((g7=4) or (g7>=5 and g7<=6)) permroof=1 .

IF ((g7=2 or g7=3) or (g7=1) or (g7>=7 and g7<=9) or sysmis(g7)) othroof=1 .

RECODE

Agadez Diffa Dosso Maradi Tahoua Tillaberi Zinder Niamey Inroom safewater unsafewater elecligt othlight nonelec
elec safetoil nontoil unsafetoil mudwall permwall othwall permroof othroof (SYSMIS=0) .

EXECUTE .

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Rent.sav'
/COMPRESSED.

***match merge both rent files.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\rentexp.sav'.

MATCH FILES /FILE=*

/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Rent.sav'
/BY HID .

COMPUTE Inrent=Ln(rentac) .

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Rent1.sav'
/COMPRESSED.

***run the regression model

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Rent1.sav'.

USE ALL.

COMPUTE filter_\$=(rentac>0 and g2<14).

VARIABLE LABEL filter_\$ 'rentac>0 and g2<14 (FILTER)'.

VALUE LABELS filter_\$ 0 'Not Selected' 1 'Selected'.

FORMAT filter_\$ (f1.0).

FILTER BY filter_\$.

EXECUTE .

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Inrent

/METHOD=ENTER Agadez Diffa Dosso Maradi Tahoua Tillaberi Zinder Inroom elecligt safewater nonelec safetoil
unsafetoil mudwall permwall permroof

/SAVE PRED ADJPRED .

COMPUTE nfdrintim=exp(pre_1) .

```
COMPUTE nfdrentac=rentac.
COMPUTE nfdnrnthh=nfdrentac.
IF (sysmis(nfdnrnthh)) nfdnrnthh=nfdrentim.
COMPUTE nfdrentif=rent .
EXECUTE.
```

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\nfdrent.sav'
/KEEP= HID rentac rent PRE_1 ADJ_1 nfdrentim nfdrentac nfdnrnthh nfdrentif
/COMPRESSED.
```

***match merge rent file

```
GET
FILE ='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\freqnfood.sav'.
```

```
MATCH FILES /FILE=*
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\nfdrent.sav'
/BY HID .
EXECUTE.
```

**rent variables.

```
COMPUTE nfdrentim=exp(pre_1) .
Variable label NFDRENTIM 'Statistical imputed rent for all households'.
EXECUTE.
```

```
COMPUTE nfdrentac=rentac.
Variable label NFDRENTAC 'Actual rent paid'.
EXECUTE.
```

```
COMPUTE nfdnrnthh=nfdrentac.
IF (sysmis(nfdnrnthh)) nfdnrnthh=nfdrentim.
Variable label NFDRENTHH 'Actual and imputed rent for missing rent'.
EXECUTE.
```

```
COMPUTE nfdrentif=rent .
Variable label NFDRENTIF 'Owner-occupied imputed rent'.
EXECUTE.
```

**Refuse, sewage collection, disposal and other services.
*Var computed and left sysmis.
*Infor not collected.

```
COMPUTE nfdutil=1.
RECODE
    nfdutil (1=SYSMIS).
Variable label NFDUTIL 'Refuse, sewage collection, disposal and other services'.
EXECUTE .
```

**Health insurance.

```
COMPUTE hlinsure=0.
Variable label HLINSURE 'Cost of health insurance coverage'.
EXECUTE.
```

**Total value of self-produced non-foods.

*survey specified cost and inkind by item and these included in the various categories.

Compute nfdtotpr=0.

Variable label NFDTOTPR 'Total value of self-produced non-foods'.

EXECUTE.

COMPUTE nfdinsur=0.

Variable label NFDINSUR 'Other insurance excluding health'.

EXECUTE.

**property taxes.

COMPUTE nfdptax=0.

Variable label nfdptax 'Property service charge, licenses and taxes' .

EXECUTE .

RECODE

nfdtbac nfdwater nfdfuel nfdutil nfdcloth nfdfmtn nfd dome nfdtrans nfdcomm nfdrecre
nfdinsur nfdptax nfdntac nfdntif nfdntim nfdnrthh nfdfoth (SYSMIS=0).

**Total value of frequent non-food expenditure excluding education and health.

COMPUTE nfdftexp = SUM(nfdtbac,nfdutil,nfdcloth,nfdfmtn,nfdtrans,nfdcomm,nfdrecre,nfdtotpr,nfdinsur,nfdfoth,nfdnrthh).

Variable label NFDFTEXP 'Total value of frequent non-food expenditures excluding education and health' .

EXECUTE.

| | |
|--------------------------|---|
| Variable label NFDTBAC | 'Tobacco and narcotics' . |
| Variable label NFDWATER | 'Water' . |
| Variable label NFD FUEL | 'Electricity, gas, fuels and heat energy' . |
| Variable label NFDUTIL | 'Refuse, sewage collection, disposal and other services' . |
| Variable label NFD CLOTH | 'Clothing and footwear' . |
| Variable label NFD FMTN | 'Furnishings and routine household maintenance' . |
| Variable label NFD DOME | 'Domestic household services' . |
| Variable label NFDTRANS | 'Transportation' . |
| Variable label NFD COMM | 'Communication (postal and telephone)' . |
| Variable label NFDRECRE | 'Recreation and culture' . |
| Variable label NFDINSUR | 'Other insurance excluding health' . |
| Variable label NFDPTAX | 'Property service charge, licenses and taxes' . |
| Variable label NFD RNTAC | 'Actual rent paid' . |
| Variable label NFD RNTIF | 'Owner-occupied imputed rent' . |
| Variable label NFD RNTIM | 'Imputed rent' . |
| Variable label NFD RNTHH | 'Actual and imputed rent for missing households' . |
| Variable label NFD FOTH | 'Expenditures on frequent non-food not mentioned elsewhere' . |
| Variable label NFDTOTPR | 'Total value of own-produced non-foods' . |

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\Table 6 EXNFD FQ.sav'

/KEEP= hid nfdtbac nfdwater nfdfuel nfdutil nfdcloth nfdfmtn nfd dome nfdtrans nfdcomm nfdrecre nfdinsur nfdptax
nfdtotpr nfdntac nfdntif nfdntim nfdnrthh nfdfoth nfdftexp
/COMPRESSED.

Table 7: Non-food not frequently purchased items

***Infrequent non-food.

*get expenditure file created in section 4.

GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\expenditure.sav'.

***merge revenue file.

GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\expenditure.sav'.

MATCH FILES /FILE=*
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-new\MODULE DEPENSE\revenus.sav'
/BY A1 A2 HID CODEPROD.
EXECUTE.

IF (codeprod>=522 and codeprod<=523) repair=N2.
IF (codeprod>=103 and codeprod<=104) nonelec=K4.
IF (codeprod=563) remit=N2.
IF ((codeprod>=553 and codeprod<=561)) gifts=N2.
IF (codeprod=564) other1=N2.
IF (codeprod>=107 and codeprod<=108) elecapp=K4.
IF (codeprod>=105 and codeprod<=106) other2=K4.
IF ((codeprod=101 or codeprod=119) or (codeprod>=107 and codeprod<=108) or (codeprod=111) or (codeprod=102)) invest=K4.
IF (codeprod=640) remit=O2.

COMPUTE other = SUM(other1,other2) .
EXECUTE .

AGGREGATE
/OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\infreqnfoodnew.sav'
/BREAK= hid
/nfdrepar 'Maintenance and repairs of dwelling unit (minor works)' =SUM(repair)
/nfdsepl 'Electric small appliances'=SUM(elecapp)
/nfdsnpl 'Non-electric small appliances'=SUM(nonelec)
/nfdinves 'Large investment expenditure (purchase of household durable assets)' =SUM(invest)
/nfdcerem 'Non-regular expenditure'=SUM(gifts)
/nfdremcs 'Cash transfer payments (remittances) received' =SUM(remit)
/nfdioth 'Expenditures on infrequent non-food not mentioned elsewhere' =SUM(other).

***create remaining variables.

GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\infreqnfoodnew.sav'.

** no usevalue included in the survey.

*age of item, date of item, sale price not included.

COMPUTE nfdusevl = 0 .
IF (SYSMIS(nfdusevl)) nfdusevl = 0 .
EXECUTE .

***food transfer payments (remittances) received.

```
COMPUTE nfdremfd=0.  
IF (SYSMIS(nfdremfd)) nfdremfd = 0 .  
EXECUTE .
```

***other transfer payments (remittances) received.

```
COMPUTE nfdremot=0.  
IF (SYSMIS(nfdremot)) nfdremot = 0 .  
EXECUTE .
```

```
RECODE  
    nfdrepar nfdseppl nfdsnppl nfdinves nfdusevl nfdcerem nfdremcs nfdremfd nfdremot nfdioth (SYSMIS=0).
```

***total value of infrequent non-food expenditure excluding education and health.

```
COMPUTE nfditexp = SUM(nfdseppl,nfdsnppl,nfdusevl,nfdrepar,nfdioth) .  
EXECUTE .
```

| | |
|--------------------------|---|
| Variable label NFDREPAR | 'Maintenance and repairs of dwelling unit (minor works)'. |
| Variable label NFDSEPPL | 'Electric small appliances'. |
| Variable label NFDSPNPPL | 'Non-electric small appliances'. |
| Variable label NFDINVES | 'Large investment expenditure (purchase of household durable assets)'. |
| Variable label NFDUSEVL | 'Use value of large investments'. |
| Variable label NFDCCEREM | 'Non-regular expenditure'. |
| Variable label NFDREMC | 'Cash transfer expends (remittances) received'. |
| Variable label NFDREMF | 'Food transfer expends (remittances) received'. |
| Variable label NFDREMO | 'Other transfer expends (remittances) received'. |
| Variable label NFDIO | 'Expenditures on infrequent non-food not mentioned elsewhere'. |
| Variable label NFDITE | 'Total infrequent non-food expenditure excluding education and health'. |

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data  
update\Stdfile\Tables\Table 7 EXNFDINFQ.sav'  
    /KEEP = hid nfdrepar nfdseppl nfdsnppl nfdinves nfdusevl nfdcerem nfdremcs nfdremfd nfdremot nfdioth nfditexp  
    /COMPRESSED.
```

Table 8: Regional price deflators methodology

*no price deflators for Niger computed.

*price index equated to 1

```
GET  
    FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data  
update\DEPENSES\DEP_AGRGE\HHTEXP.SAV'.
```

```
COMPUTE ctry_exp1=hhtexp.  
EXECUTE.
```

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\price  
deflators.sav'  
    /KEEP=hid fpindex nfpindex ctry_exp1  
    /COMPRESSED.
```

```
GET
```

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\price deflators.sav'.

COMPUTE fpindex= 1.
Variable label FPINDEX 'Regional food price deflator'.
EXECUTE .

COMPUTE nfpindex= 1.
Variable label NFPINDEX 'Regional non-food price deflator'.
EXECUTE .

COMPUTE ctry_exp=ctry_exp1.
Variable label CTRY_EXP 'Total food and non-food (country agregate) consumption expenditure'.
EXECUTE.

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\tables\Table 8 Regional price deflators.sav'
/KEEP = hid fpindex nfpindex ctry_exp
/COMPRESSED.

Table 9: Merge Table 1-8

***merge Tables 1-8 and bring in country expenditure.

GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Tables\Table 1 BASIC INFOR.sav'.

MATCH FILES /FILE=*
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Tables\Table 2 EXFDBUY.sav'
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Tables\Table 3 EXFDPRD.sav'
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Tables\Table 4 EXEDU.sav'
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Tables\Table 5 EXHLTH.sav'
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Tables\Table 6 EXNFDQ.sav'
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Tables\Table 7 EXNFDINFQ.sav'
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Tables\Table 8 Regional price deflators.sav'
/BY HID.
EXECUTE.

SAVE OUTFILE= 'C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\tables\Table 9 FOOD and NONFOOD.sav'
/COMPRESSED.

****create remaining variables.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\tables\Table 9 FOOD and NONFOOD.sav'.

**total Food Consumption expenditure aggregate

COMPUTE fdtxp = SUM(fdtotby,fdtotpr) .

Variable Labels FDTEXP 'Total purchased and auto-consumption food expenditure' .

EXECUTE .

COMPUTE fdtxpdr = fdtxp/fpindex .

Variable Labels FDTEXP 'Total purchased and auto-consumption foods in regionally deflated prices' .

EXECUTE .

**total annual household non-food expenditures in local current prices.

COMPUTE nfdtxp = SUM(edtxp,hltxp, nfdtxp, nfditxp) .

Variable Labels NFDTEXP 'Total purchased and auto-consumption of non-food expenditure' .

EXECUTE .

**total purchases and auto-consumption of non-food expenditure regionally deflated prices.

COMPUTE nfdtxdr = nfdtxp/fpindex.

Variable Labels NFDTEXDR 'Total purchased and auto-consumption of non-food expenditure in regionally deflated prices'

.

EXECUTE .

**total annual household expenditure in local nominal current prices.

COMPUTE hhtxp = SUM(fdtxp,hltxp,nfdtxp,nfditxp) .

Variable Labels HHTEXP 'Total food and non-food consumption expenditure' .

EXECUTE .

***Total annual household in regionally deflated current prices.

COMPUTE hhtxpdr = SUM(fdtxpdr,nfdtxdr) .

Variable Labels HHTEXPDR 'Total annual household in regionally deflated current prices' .

EXECUTE.

***Total food and non-food consumption expenditure in regionally deflated prices and CPI.

*no CPI computed.

*will equal to deflated expenditure.

COMPUTE hhtexcpi=SUM(fdtxpdr,nfdtxdr).

Variable label HHTEXCPI 'Total food and non-food consumption expenditure in regionally deflated prices and CPI)'.

EXECUTE.

***Per capita expenditure at current prices.

COMPUTE pcexp = (hhtxp / hhsize) .

Variable Labels PCEXP 'Per capita expenditure at current prices' .

EXECUTE .

**** capita expenditure in regionally deflated current prices

*Used already computed regional prices from Malawi.

COMPUTE pcexpdr = hhtxpdr/hhsize .

Variable Labels PCEXPDR 'Per capita total food and non-food consumption expenditure in regionally deflated prices' .
EXECUTE .

***per capita total food and non-food consumption expenditure in regionally deflated prices and CPI.

COMPUTE pcexpcpi = SUM(hhtexcpi, hhsz) .

Variable label PCEXPCPI 'Per capita total food and non-food consumption expenditure in regionally deflated prices and CPI' .

EXECUTE.

RECODE

fdbrdby fdtubby fdpoulby fdmeatby fdfishby fddairby fdfatsby fdfrutby fdvegby fdbeanby fdswtby fdbevby fdalcby
fdothby fdrestby fdtotby fdbrdpr fdtubpr fdpoulpr fdmeatpr fdfishpr fddairpr fdfatspr fdfrutpr fdvegpr fdbeanpr fdswtpr
fdbevpr fdalcpr fdothpr fdtotpr edution edbooks edunifms edextra edrmbrd edtrnsp edmtnce edoth edagg edexp hlcons
hlmedc hlproc hlhospt hltrsp hlinsure hloth hlagg hltxp nfdtbac nfdwater nfdfuel nfdutil nfdcloth nfdmtn nfddome nfdtrans
nfdcomm nfdrecre nfdinsur nfdptax nfdrtac nfdrtif nfdrtim nfdnrthh nfdfoth nfdtotpr nfdftexp nfdrepar nfdseppl nfdsnpl
nfdinves nfdusevl nfdcerem nfdremcs nfdremfd nfdremot nfdioth nfditexp (SYSMIS=0) .

EXECUTE .

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\tables\Table 9 FOOD and NONFOOD.sav'
/COMPRESSED.

***quintile groupings by area of residence and population distribution and annual per capita expenditure.

*takes into account area of residence (rural or urban).

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\tables\Table 9
FOOD and NONFOOD.sav'

WEIGHT BY wta_pop .

RANK

VARIABLES=pcexp (A) BY rururb

/RANK

/NTILES (5) into quintile

/PRINT=YES

/TIES=MEAN .

VARIABLE LABELS quintile 'Undeflated quintile by RURURB and PCEXP' .

WEIGHT OFF.

EXECUTE .

***national quintile groupings by population distribution and annual per capita expenditure.

*does not take into account area of residence (rural or urban).

WEIGHT BY wta_pop .

RANK

VARIABLES=pcexp (A)

/RANK

/NTILES (5) into nquintil

/PRINT=YES

/TIES=MEAN .

VARIABLE LABELS nquintil 'National undeflated quintile by PCEXP' .

WEIGHT OFF.

EXECUTE .

***national decile groupings by population distribution and annual per capita expenditure.

*does not take into account area of residence (rural or urban).

WEIGHT BY wta_pop .

RANK

VARIABLES=pcexp (A)

/RANK

/NTILES (10) into ndecil

/PRINT=YES

/TIES=MEAN .

VARIABLE LABELS ndecil 'National undeflated decile by PCEXP' .

WEIGHT OFF.

EXECUTE .

***deflated quintile groupings by area of residence and population distribution and deflated per capita expenditure.

*takes into account area of residence (rural or urban).

WEIGHT BY wta_pop .

RANK

VARIABLES=pcexpdpi (A) BY rururb

/RANK

/NTILES (5) into dfquin

/PRINT=YES

/TIES=MEAN .

VARIABLE LABELS dfquin 'Regional deflated quintile by RURURB and PCEXPDP' .

WEIGHT OFF.

EXECUTE .

***deflated quintile groupings by annual per capita expenditure (adjusted for price)

*does not take into account area of residence (rural or urban).

WEIGHT BY wta_pop .

RANK

VARIABLES=pcexpdpi (A)

/RANK

/NTILES (5) into ndfquin

/PRINT=YES

/TIES=MEAN .

VARIABLE LABELS ndfquin 'National regional deflated quintile by PCEXPDP' .

WEIGHT OFF.

EXECUTE .

***deflated decile groupings by annual per capita expenditure (adjusted for price)

*does not take into account area of residence (rural or urban).

WEIGHT BY wta_pop .

RANK

```
VARIABLES=pcexpci (A)
/RANK
/NTILES (10) into ndfdecil
/PRINT=YES
/TIES=MEAN .
VARIABLE LABELS ndfdecil 'National regional deflated decile by PCEXPCCI' .
```

```
WEIGHT OFF.
EXECUTE .
```

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finer_04_E.sav'
/COMPRESSED.
```

Missing variables for Expenditure-level file

Variables that cannot be computed in expenditure-level file (no information present). These variables have been computed but left as missing (zero):

| | | | | | |
|----------|----------|----------|----------|----------|----------|
| EDEXTRA | EDRMBRD | HLTRNSP | HLINSURE | HLAGG | NFDUTIL |
| NFDTOTPR | NFDUSEVL | NFDREMCS | NFDREMFD | NFDREMOT | NFDRNTIM |

***final expenditure-level standard file.

GET

```
FILE = 'C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\tables\finer_04_E.sav'.
```

```
FORMATS country(A3).
FORMATS geocode1(A6).
FORMATS geocode2(f4.0).
FORMATS hid(A6).
FORMATS rururb(f1.0).
FORMATS surveyr(f4.0).
FORMATS hhsize(f2.0).
FORMATS fao_adq(f6.2).
FORMATS ctry_adq(f6.2).
FORMATS wta_adq(f4.2).
FORMATS wta_hh(f4.2).
FORMATS wta_pop(f4.2).
FORMATS fdby_tr(f4.0).
FORMATS fdbrdby(f12.2).
FORMATS fdtubby(f12.2).
FORMATS fdpoulby(f12.2).
FORMATS fdmeatby(f12.2).
FORMATS fdfishby(f12.2).
FORMATS fddairby(f12.2).
FORMATS fdfatsby(f12.2).
FORMATS fdfrutby(f12.2).
FORMATS fdvegby(f12.2).
FORMATS fdbeanby(f12.2).
FORMATS fdswtby(f12.2).
FORMATS fdbevby(f12.2).
FORMATS fdalcby(f12.2).
FORMATS fdothby(f12.2).
```

FORMATS fdrestby(f12.2).
FORMATS fdtotby(f12.2).
FORMATS fdbrdpr(f12.2).
FORMATS fdtubpr(f12.2).
FORMATS fdpoulpr(f12.2).
FORMATS fdmeatpr(f12.2).
FORMATS fdfishpr(f12.2).
FORMATS fddairpr(f12.2).
FORMATS fdfatspr(f12.2).
FORMATS fdfrutpr(f12.2).
FORMATS fdvegpr(f12.2).
FORMATS fdbeanpr(f12.2).
FORMATS fdswtpr(f12.2).
FORMATS fdbevpr(f12.2).
FORMATS fdalcpr(f12.2).
FORMATS fdothpr(f12.2).
FORMATS fdtotpr(f12.2).
FORMATS edtution(f12.2).
FORMATS edbooks(f12.2).
FORMATS edunifms(f12.2).
FORMATS edextra(f12.2).
FORMATS edrmbrd(f12.2).
FORMATS edtrnsp(f12.2).
FORMATS edmtnce(f12.2).
FORMATS edoth(f12.2).
FORMATS edagg(f12.2).
FORMATS edtexp(f12.2).
FORMATS hlcons(f12.2).
FORMATS hlmedc(f12.2).
FORMATS hltrad(f12.2).
FORMATS hlproc(f12.2).
FORMATS hlhospt(f12.2).
FORMATS hltrsp(f12.2).
FORMATS hlinsure(f12.2).
FORMATS hleqpt(f12.2).
FORMATS hloth(f12.2).
FORMATS hlagg(f12.2).
FORMATS hltexp(f12.2).
FORMATS nfdtbac(f12.2).
FORMATS nfdwater(f12.2).
FORMATS nfdfuel(f12.2).
FORMATS nfdutil(f12.2).
FORMATS nfdcloth(f12.2).
FORMATS nfdfmtn(f12.2).
FORMATS nfd dome(f12.2).
FORMATS nfdtrans(f12.2).
FORMATS nfdcomm(f12.2).
FORMATS nfdrecre(f12.2).
FORMATS nfdinsur(f12.2).
FORMATS nfdptax(f12.2).
FORMATS nfdrintac(f12.2).
FORMATS nfdrintif(f12.2).
FORMATS nfdrintim(f12.2).
FORMATS nfdrinthh(f12.2).
FORMATS nfdfoth(f12.2).
FORMATS nfdtotpr(f12.2).

FORMATS nfdftexp(f12.2).
 FORMATS nfdrepar(f12.2).
 FORMATS nfdseppl(f12.2).
 FORMATS nfdsnppl(f12.2).
 FORMATS nfdinves(f12.2).
 FORMATS nfdusevl(f12.2).
 FORMATS nfdcerem(f12.2).
 FORMATS nfdremcs(f12.2).
 FORMATS nfdremfd(f12.2).
 FORMATS nfdremot(f12.2).
 FORMATS nfdioth(f12.2).
 FORMATS nfditexp(f12.2).
 FORMATS fpindex(f12.2).
 FORMATS nfpindex(f12.2).
 FORMATS fdtexp(f12.2).
 FORMATS fdtexpdr(f12.2).
 FORMATS nfdtexp (f12.2).
 FORMATS nfdtexpdr (f12.2).
 FORMATS hhtexp(f12.2).
 FORMATS ctry_exp(f12.2).
 FORMATS hhtexpdr(f12.2).
 FORMATS hhtexpdpi(f12.2).
 FORMATS pcexp(f12.2).
 FORMATS pcexpdr(f12.2).
 FORMATS pcexpdpi(f12.2).
 FORMATS quintile(f1.0).
 FORMATS nquintil(f1.0).
 FORMATS ndecil(f2.0).
 FORMATS dfquin(f1.0).
 FORMATS ndfquin(f1.0).
 FORMATS ndfdecil(f2.0).

FILTER OFF.
 USE ALL.
 SELECT IF(quintile >= 0).
 EXECUTE .

SORT CASES BY
 hid (A).

SAVE OUTFILE= 'C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
 update\Stdfile\Tables\NER_04_E.sav'

/KEEP= hid country geocode1 geocode2 hid rururb surveyr hhsz ctry_adq fao_adq wta_adq wta_hh wta_pop
 fdby_tr fdbrdby fdtubby fdpoulby fdmeatby fdfishby fddairby fdfatsby fdfrutby fdvegby fdbeanby fdswtby fdbevby fdalcby
 fdrestby fdothby fdtotby fdbrdpr fdtubpr fdpoulpr fdmeatpr fdfishpr fddairpr fdfatspr fdfrutpr fdvegpr fdbeanpr fdswtpr
 fdbevpr fdalcpr fdothpr fdtotpr edtution edbooks edunifms edextra edrmbd edtrns edmtnce edoth edagg edtexp hlcons
 hlmedc hltrad hlproc hlhospt hltrsp hlinsure hleqpt hlagg hloth hltxp nfdtbac nfdwater nfdfuel nfdutil nfdcloth nfdfmtn
 nfd dome nfdtrans nfdcomm nfdrecre nfdinsur nfdptax nfdtotpr nfdntac nfdntif nfdntim nfdnrthh nfdfoth nfdftexp nfdrepar
 nfdseppl nfdsnppl nfdinves nfdusevl nfdcerem nfdremcs nfdremfd nfdremot nfdioth nfditexp fpindex nfpindex fdtexp
 fdtexpdr nfdtexp nfdtexpdr hhtexp ctry_exp hhtexpdr hhtexpdpi pcexp pcexpdr pcexpdpi quintile nquintil ndecil dfquin ndfquin
 ndfdecil

/COMPRESSED.

***extract quintile and per capita variables to be merged with individual and household file.

GET

FILE= 'C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finer_04_E.sav'.

SAVE OUTFILE= 'C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\quintiles.sav'

/KEEP= hid quintile nquintil ndecil dfquin ndfquin ndfdecil pcexp pcexpdr pcexpdpi
/COMPRESSED .

INDIVIDUAL LEVEL INFORMATION

File extraction

Original data files from databank used. Some variables included even if not used for file creation to help in consistency checks.

| | Source file | Sections | Output file | Variables in the output file |
|---|-------------|----------|------------------------|--|
| 1 | INDATA.sav | ALL | INDIVIDUAL.sav | HID A1 A2 no_membr b1 b2 b3 b4 b5 b6 b7 b8 c1 c2 c3 c4 c5 c6 c7 c8a c8b c8c c8d c8e c8f c9a c9b c9c c9d c9e c9f c9g c9h c9i d1 d2 d3 d4 d5a d5b d5c d5d d5e d5f d5g d5h d6 d7 d8 d9 d10a d10b d10c d10d d10e d10f d10g d10h d10i d11a d11b d11c d11d d12 d13 d14 d15 d16 d17 d18a d18b d18c d18d d18e d18f d18g d18h d18i d18j d18k d18l d19 d20 d21 d22 e1 e2 e3 e4 e5 e6 e7 e8 e9 e10 e11 region UrbRur HHSIZE seg hgender HAge hmstat heduc HhWeight Durlnt groupage taille groupe pauvre Quintile âge7_12 fréqprim agés13_20 fréqsécond emploi sitac grâgefem groupactiv filter_\$ |
| 2 | INDATA.sav | | no_of_spouses.sav | Number of spouses (member_1) |
| 3 | CHDATA.sav | | child infor.sav | Sex of child (sexch), individual id of child (indivich), age of child (agech). |
| 4 | INDATA.sav | | moth.sav father.sav | Sex of mother (sexmoth), age of mother (agemoth), education level of mother (educmoth). |
| 5 | | | Quintiles.sav | HID, Quintile, Nquintil, Ndecil, Dfquin, Ndfquin, Ndfdecil |

This section extracts variables from files for use in order to generate standard indicator files.
States which file is used and what variable selected.
Comments are above each file creation.

***extract individual level information.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-new\MODULE QUIBB\indata.sav'.

SORT CASES BY

HID (A) A2 (A) no_membr (A) .

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\stdfile\individual.sav'
/COMPRESSED.

***extract child information.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-new\MODULE QUIBB\chdata.sav'.

SORT CASES BY

HID (A) A2 (A) no_membr (A) .

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\stdfile\child.sav'
/KEEP= hid a1 a2 i1a no_membr i1b i2 i3 i4 i5a i5b i6c agemoth wasted stunted underw
/COMPRESSED.

***merge child info to individual file.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\stdfile\individual.sav'.

MATCH FILES /FILE=*

/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\child.sav'
/RENAME (filter__ hhweight region urbrur = d0 d5 d10 d11)
/BY hid a1 a2 no_membr
/DROP= d0 d5 d10 d11.
EXECUTE.

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\stdfile\tables\finner_04_l.sav'
/COMPRESSED .

***extract mother information.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-new\MODULE QUIBB\INDATA.sav'.

FILTER OFF.

USE ALL.

SELECT IF(b5> 5 & b1=2).

RENAME VAR (b1=sexmoth) (b5=agemoth) (c3=educmoth).

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\stdfile\moth.sav'
/KEEP = HID A1 A2 no_membr sexmoth no_membr agemoth educmoth
/COMPRESSED.

***extract father infor.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\QUIBB\QUIBB_BASE\INDATA.sav'.

FILTER OFF.

USE ALL.

SELECT IF(b5> 5 & b1 = 1).

RENAME VAR (b1=sexfath) (b5=agefath) (c3=educfath).

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\stdfile\father.sav'
/KEEP = HID A1 A2 no_membr sexfath no_membr agefath educfath
/COMPRESSED.
```

***merge mother and father infor.

```
GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\stdfile\tables\finner_04_I.sav'.
```

```
MATCH FILES /FILE=*
/TABLE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\stdfile\moth.sav'
/TABLE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\stdfile\father.sav'
/BY HID A1 A2 no_membr .
```

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\stdfile\tables\finner_04_I.sav'
/COMPRESSED .
```

***merge z-scores

```
GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
Update\stdfile\tables\finner_04_I.sav'.
```

```
MATCH FILES /FILE=*
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Z scores.sav'
/RENAME (sex = d0)
/BY hid a1 a2 no_membr
/DROP= d0.
EXECUTE.
```

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\Z
scores.sav'
/COMPRESSED.
```

```
SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\stdfile\tables\finner_04_I.sav'
/COMPRESSED.
```

Standard file creation

*This point onwards generates individual level indicators and how.
*All variables will be computed as not to interfere with original variables.

```
GET
FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\stdfile\tables\finner_04_I.sav'.
```

***country.

*use the ISO codes which assigns each country with a 2- or 3-letter code.
*this is a string variable.

```
STRING country (A3).  
COMPUTE country = "NER" .  
Variable label COUNTRY 'Country code' .  
EXECUTE .
```

***geocode1.
*use the ISO codes.
*this is a string variable.

```
STRING geocode1 (A6).
```

```
IF (region = 1) geocode1 = "NE-1" .  
IF (region = 2) geocode1 = "NE-2" .  
IF (region = 3) geocode1 = "NE-3" .  
IF (region = 4) geocode1 = "NE-4" .  
IF (region = 5) geocode1 = "NE-5" .  
IF (region = 6) geocode1 = "NE-6" .  
IF (region = 7) geocode1 = "NE-7" .  
IF (region = 8) geocode1 = "NE-8" .  
Variable label GEOCODE1 'Geographical code (ISO codes)' .  
EXECUTE .
```

***geocode2.
*use country specific codes if different from ISO codes.

```
COMPUTE geocode2=region.  
Variable label GEOCODE2 'Geographical code'.  
Value labels geocode2 1 'Agadez'  
                      2 'Diffa'  
                      3 'Dosso'  
                      4 'Maradi'  
                      5 'Tahoua'  
                      6 'Tillaberi'  
                      7 'Zinder'  
                      8 'Niamey'.
```

```
EXECUTE .
```

***Household unique identifier.

```
RENAME VAR HID=hid1.  
EXECUTE .
```

```
COMPUTE hid =hid1.  
EXECUTE .
```

```
STRING hid (A20).  
COMPUTE hid = STRING(hid1,f20.0) .  
Variable label HID 'Household unique identification'.  
EXECUTE .
```

***Year of survey.
*survey was started in 2004 and ended in 2005.

```

COMPUTE surveyr = 2004.
Variable label SURVEYR 'Year of survey'.
EXECUTE .

```

***Area of residence given in survey as RURBAN.

```

IF (UrbRur = 1) rururb = 2 .
IF (UrbRur = 2) rururb = 1 .
Variable label RURURB 'Area of residence'.
Value label rururb  1  'Rural'
                  2  'Urban'.
EXECUTE .

```

***weight used in survey will be adjweigh.
*see extraction for details.

```

COMPUTE wta_ind = HhWeight.
Variable label WTA_IND 'Individual weighting coefficient'.
EXECUTE .

```

***unique person identifier.

```

COMPUTE indid = no_membr.
Variable label INDID 'Individual identification'.
EXECUTE .

```

***sex of member.

```

RECODE
  b1 (1=1) (2=0) INTO sex.
Variable label SEX 'Sex'.
Value label sex  1  'male'
                0  'female'.
EXECUTE.

```

***relationship to head.

```

RECODE
  b4 (1=1) (2=2) (3=6) (4=4) (5=7) (6=3) (7=7) (8=7) (9=9) INTO relat.
Variable label RELAT 'Relationship to household Head'.
Value label relat  1  'Head'
                  2  'Spouse'
                  3  'Child'
                  4  'Father/Mother'
                  5  'Grandchild'
                  6  'Son/daughter-in-law'
                  7  'Other relative'
                  8  'Domestic help/paying boarder'
                  9  'None relative'.
EXECUTE .

```

***Age in completed years.
*56 cases of members 99 years.
*3 cases of members with 98 years.

```

COMPUTE agey=agey1.
IF (SYSMIS (agey)) agey=b5.
Variable label agey 'Age in completed years'.
EXECUTE .

***marital status of individual member.
*24000 cases missing.

DO IF (agey>15).

IF (b4=2) marstat=2.
IF (agey<=1 & agey>=15) or (b6=1) marstat=1 .
IF (b6=2) marstat=2 .
IF (b6=4) marstat=5 .
IF (b6=5) marstat=6 .
END IF.
IF (b4 =0 and SYSMIS(b6)) marstat=1 .
Variable label MARSTAT 'Marital status'.
Value labels marstat      1 'Never married'
                          2 'Married monogamous'
                          3 'Married polygamous'
                          4 'Living together'
                          5 'Divorced/Separated'
                          6 'Widowed'.

EXECUTE .

***spouse present or not.
*8084 cases missing.

DO IF (agey>=5).
IF (b4=2) sp_pres=1 .
IF (b4~=2) sp_pres=0.
END IF.
Variable label SP_PRE 'Spouse present'.
Value label sp_pres      1 'Yes'
                        0 'No'.

EXECUTE .

***literacy level for persons aged 5+.
*21259 cases missing.

DO IF (agey>=5).

RECODE
    c1 (1=1) (2=2) INTO literacy .
IF (agey >= 5 and c1=1 and SYSMIS(literacy)) literacy=1.
IF (agey >= 5 and c1=2 and SYSMIS(literacy)) literacy=2.
IF (agey >= 5 and c1=9 and SYSMIS (literacy)) literacy=3.
END IF .
Variable label LITERACY 'Literacy status'.
Value label literacy    1 'Can both read and write'
                       2 'Cannot read and write'
                       3 'Cannot be determined'.

EXECUTE .

```

***ever attended school.
 *14709 cases attending school.
 *8084 missing.
 *asked to all household members with b5>5.

DO IF (agey>= 5) .

IF (c2=1) everattd=1.
 IF (c2=2) and SYSMIS(everattd)everattd=0.
 END IF .
 Variable label EVERATTD 'Ever attended school'.
 Value labels everattd 1 'Yes'
 0 'No'.

EXECUTE .

***computation of education levels for persons aged 5 and above only.
 *unable to define primary and secondary, completed/not completed.
 *grouped categories as per the coding below.
 *28335 missing.

DO IF (agey>= 5) .

RECODE
 c3 (0=1) (1=2) (2=99) (3=99) (11 thru 14=3) (15 thru 16=4) (21thru 24=5) (25 thru 27=6) (31thru 32=7) (33=8)
 INTO educlev .

END IF .

Variable label EDUCLEV 'Level of education'.
 Value label educlev 1 'No level'
 2 'Pre-school'
 3 'Primary, not completed'
 4 'Primary completed, no secondary'
 5 'Secondary not completed'
 6 'Secondary completed'
 7 'Post secondary technical'
 8 'University and higher'
 9 'Formal Adult education or literacy program'
 10 'Not stated'
 99 'Other'.

EXECUTE .

***school attendance at time of survey.
 *school attendance 8099 valid cases.

RECODE
 c5 (1=1) (2=0) INTO atschool .
 IF (SYSMIS(atschool)) atschool =0.
 Variable label ATSCHOOL 'School attendance at time of survey'.
 Value labels atschool 1 'Yes'
 0 'No'.

EXECUTE .

*** level of schooling for persons aged 5+ currently at school.

*will use highest education level attained to assign level attending.
 *levattnd unable to define primary and secondary, lower and higher.
 *lumped categories as per the coding below.
 *35036 missing cases.

```
DO IF (agey>=5 & atschool=1) .
RECODE
      c6 (0=99) (01=1) (02=99) (11 thru 16=2) (21 thru 24=3) (25 thru 27=5) (31, 32=7) (33=8) INTO levattnd.
IF (SYSMIS(levattnd)) levattnd=10 .
END IF .
Variable label LEVATTND 'Level of education presently attending'.
Value Label levattnd   1  'Pre-school'
                      2  'Primary'
                      3  'Lower secondary-academic'
                      4  'Lower secondary-tech/vocational'
                      5  'Higher secondary-academic'
                      6  'Higher secondary-tech/vocational'
                      7  'Post secondary technical'
                      8  'University and higher'
                      9  'Formal Adult education or literacy program'
                     10  'Not stated'
                     99  'Other'.
```

EXECUTE .

***type of school attending.
 *valid cases 8099.
 *missing 34946 cases.

```
RECODE
      c7 (1=1) (2 thru 4=2) (5=9) INTO schltyp.
Variable label SCHLTYP 'Type of school attending'.
Value label schltyp   1  'Public'
                      2  'Private'
                      9  'Other'.
```

EXECUTE.

***time reference for sickness.
 *This is a string variable.

```
COMPUTE morb_tr = 4 .
Variable label MORB_TR 'Time reference for variable MORBID (weeks)' .
EXECUTE .
```

***sickness last 4 weeks.
 *3804 cases.

```
IF (d4=1) morbid=1.
IF (d4=2) morbid=0.
Variable label MORBID 'Morbidity last MORB_TR'.
Value label morbid   1  'Yes'
                    0  'No'.
```

EXECUTE .

***sought medical attention.
 *3060 cases treated.

```

IF(d7=1)rtreatm=1.
IF(d7=2)rtreatm=0.
Variable label RTREATM 'Received medical attention'.
Value label  rtreatm  1  'Yes'
                  0  'No'.

EXECUTE .

***type of health provider.
*health provider missing for 39985 cases.
RECODE
      d8 (0, 1=3) (2, 4=2) (3, 6, 7, 8=1) (5= 5) (9 = 9) into hlthfac.
Variable label HLTHFAC 'Health provider visited'.
Value label  hlthfac  1  'Hospital'
                    2  'Clinics'
                    3  'Dispensary, health center, health post'
                    4  'Pharmacy'
                    5  'Traditional healer'
                    9  'Other'.

EXECUTE .

***ownership of health provider.
*missing cases 39985.

RECODE
      d8 (1,3,6,7,8 =1) (0, 2, 4, 9=2) (5=3) INTO  owhprovd.
Variable label OWHPROVD 'Ownership of health provider visited'.
Value label  owhprovd  1  'Public'
                    2  'Private - modern medicine'
                    3  'Private - traditional healers'
                    4  'Missionary/NGO'
                    9  'Other'.

EXECUTE .

***family planning not collected by survey.
*1176 valid cases for modern contraceptive use.

RECODE
      d17 (1=1) (2=3) INTO fplan .
Variable label FPLAN 'Contraceptives use'.
Value label  fplan   1  'Yes, modern'
                    2  'Yes, traditional'
                    3  'No'.

EXECUTE .

***employment sector.
*36902 cases missing.

DO IF (agey>=5).

COMPUTE empl_u=1.
RECODE
      empl_u (1 = SYSMIS) .
END IF .

Variable label EMPL_U 'Employment sector'.

```


Value label empl_u 1 'Agricultural'
2 'Other (non-agricultural)'.

EXECUTE .

***occupation.

*survey asked info on last 7 days.

*cannot be derived.

*var computed and left sysmis.

*30424 missing

COMPUTE occupa_u=1.

RECODE

occupa_u (1=SYSMIS).

Variable label OCCUPA_U 'Main occupation'.

Value labels occupa_u 1 'Employed'
2 'Unemployed'
3 'Homemaker'
4 'Retired'
5 'Student'
6 'Dependent'
9 'Other'.

EXECUTE .

***Status of employment (usual).

*survey asked info on last 7 days.

*cannot be derived.

*var computed and left sysmis.

COMPUTE statem_u=1.

RECODE

statem_u (1=SYSMIS).

Variable label STATEM_U 'Status of employment'.

Value labels statem_u 1 'Wage employee, Public'
2 'Wage employee, Formal Private sector'
3 'Employed by Informal sector'
4 'Self-employed'
5 'Employer'
6 'Contributing (unpaid) family workers'
7 'Volunteer'
9 'Other'.

EXECUTE .

***Branch of activity (usual).

*cannot be derived.

*var computed and left sysmis.

COMPUTE isic31_u=1.

RECODE

isic31_u (1= SYSMIS).

Variable label ISIC31_U 'Branch of activity'.

Value labels isic31_u 1 'Agriculture and fishing'
2 'Mining and quarrying'
3 'Manufacturing'
4 'Electricity, gas and water supply'
5 'Construction'

```

6 'Commerce'
7 'Transport, storage and communication'
8 'Financial, insurance and real estate'
9 'Public Administration'
10 'Education, health and social work'
11 'Other services'
99 'Unspecified'.

```

EXECUTE .

***hours of work.
 *cannot be derived.
 *var computed and left sysmis.

```

COMPUTE hourwr_u=1.
Variable label HOURWR_U 'Hours worked per week'.
RECODE
    Hourwr_u (1=SYSMIS) .
EXECUTE .

```

***annual labor earnings.
 *individual level income/labor data not available.
 *cannot be derived.
 *var computed and left sysmis.

```

COMPUTE labinc=1.
RECODE
    Labinc (1=SYSMIS) .
Variable label LABINC 'Annual labor earnings (usual)'.
EXECUTE .

```

***employment sector last 7 days.
 *missing cases 36902.

DO IF (agey>=5).

```

RECODE
    e8 (1 thru 9=2) (99=2) INTO empl_7.
END IF.
Variable label EMPL_7 'Employment sector last 7 days'.
Value label empl_7 1 'Agricultural'
                2 'Other (non-agricultural)'.
EXECUTE .

```

***occupation last 7 days.
 *cases missing 30424.

```

DO IF (agey >=5).
RECODE
    e6 (1=9) (2, 6=9) (3=1) (4=3) (5=2) INTO Occupa_7.
END IF .
Variable label OCCUPA_7 'Main occupation last 7 days'.
Value labels occupa_7 1 'Employed'
                    2 'Unemployed'
                    3 'Homemaker'
                    4 'Retired'
                    5 'Student'

```

6 'Dependent'
9 'Other'.

EXECUTE .

***computation of status of occupation.

*missing cases 30556.

DO IF (agey>=5).

RECODE

e7 (1,2=1) (3=2) (4=4) INTO statem_7.

END IF .

Variable label STATEM_7 'Status of employment last 7 days' .

Value labels statem_7 1 'Wage employee, Public'
2 'Wage employee, Formal Private sector'
3 'Employed by Informal sector'
4 'Self-employed'
5 'Employer'
6 'Member of producers co-operatives'
7 'Contributing (unpaid) family workers'
9 'Other' .

EXECUTE .

***industry.

*missing cases 30383.

DO IF (agey>=5).

RECODE

e8 (0=1) (1=2) (2=3) (3=5) (4=7) (5=6) (6=11) (7=10) (8=9) (9=99) INTO isic31_7.

END IF .

Variable label ISIC31_7 'Branch of activity last 7 days'.

Value labels isic31_7 1 'Agriculture and fishing'
2 'Mining and quarrying'
3 'Manufacturing'
4 'Electricity, gas and water supply'
5 'Construction'
6 'Commerce'
7 'Transport, storage and communication'
8 'Financial, insurance and real estate'
9 'Public Administration'
10 'Education, health and social work'
11 'Other services'
99 'Unspecified' .

EXECUTE .

***hours of work last 7 days.

*hours worked per day in the last 7 days

COMPUTE hourwr_7 =1.

RECODE

hourwr_7 (1 = SYSMIS) .

Variable label HOURWR_7 'Hours worked per week last 7 days' .

EXECUTE .

***time reference for work search.

*time spent searching for work not collected.

*cannot be derived.
*var computed and left sysmis.

```
DO IF (agey >= 5) .  
COMPUTE seach_tr = 7 .  
RECODE  
    seach_tr (7=SYSMIS).  
END IF .  
Variable labels SEACH_TR 'Time reference for variable SEARCH (weeks)' .  
EXECUTE .
```

***search for work.
*cannot be derived.
*var computed and left sysmis.

```
DO IF (agey >= 5) .  
COMPUTE search=1.  
RECODE  
    search (1=SYSMIS) .  
END IF .  
Variable label SEARCH 'Search for work last SEACH_TR'.  
Value label search 1 'Yes'  
                  0 'No'.  
EXECUTE .
```

***fetch water.
*cannot be derived.
*var computed and left sysmis.

```
COMPUTE fetwater=1.  
RECODE  
    fetwater (1=SYSMIS) .  
Variable label FETWATER 'Spends time fetching water' .  
Value label fetwater 1 'Yes'  
                   0 'No' .  
EXECUTE .
```

***fetch wood.
*cannot be derived.
*var computed and left sysmis.

```
COMPUTE fetwood=1.  
RECODE  
    fetwood (1=SYSMIS) .  
Variable label FETWOOD 'Spends time fetching firewood'.  
Value label fetwood 1 'Yes'  
                  0 'No'.  
EXECUTE .
```

***cooking.
*cannot be derived.
*var computed and left sysmis.

```
COMPUTE cooking=1.  
RECODE  
    cooking (1=SYSMIS) .
```

Variable label COOKING 'Spends time cooking'.
Value label cooking 1 'Yes'
0 'No'.

EXECUTE .

***child care.
*cannot be derived.
*var computed and left sysmis.

COMPUTE childcar=1.

RECODE

childcar (1=SYSMIS) .

Variable label CHILDCAR 'Spends time on childcare'.

Value label childcar 1 'Yes'
0 'No'.

EXECUTE .

***house keeping.
*cannot be derived.
*var computed and left sysmis.

COMPUTE hkeeping=1.

RECODE

hkeeping (1=SYSMIS) .

Variable label HKEEPING 'Spends time on other house keeping activities'.

Value label hkeeping 1 'Yes'
0 'No'.

EXECUTE .

***age in months.
*coded up to 59 months.
*8063 valid cases and none missing.

COMPUTE agem = agemth.

RECODE

agemth (99= SYSMIS).

Variable label AGEM 'Age of Child in months'.

EXECUTE .

***who helped assist in delivery.
*2419 cases of delivery by a trained birth attendant.
*4569 cases traditional attendant.
*8065 valid cases.

RECODE

i4 (1 thru 3=1) (4=2) (5=9) INTO whdeliv.

Variable label WHDELIV 'Who helped assist in Child birth'.

Value label whdeliv 1 'Trained Birth Attendant'
2 'Traditional Birth Attendant'
9 'Other'.

EXECUTE .

***weight at birth in grams.
*cannot be derived.
*var computed and left sysmis.

```
DO IF (agemth<=59) .  
COMPUTE bweight = 1.
```

```
RECODE  
    bweight (1=SYSMIS).  
END IF.  
Variable label BWEIGHT 'Weight of Child at birth (grams)'.  
EXECUTE .
```

```
***breastfeeding.  
*cannot be derived.  
*var computed and left sysmis.
```

```
DO IF (agemth<=59) .  
COMPUTE brstfeed = 1 .  
END IF .  
Variable label BRSTFEED 'Was child breastfed'.  
Value labels brstfeed    1  'Yes, did'  
                        2  'Yes, still breastfeeding'  
                        3  'No'.  
  
EXECUTE .
```

```
***exclusive breastfeeding.  
*cannot be derived.  
*var computed and left sysmis.
```

```
DO IF (agemth<60) .  
COMPUTE brstexcl = 1 .  
RECODE  
    brstexcl (1=SYSMIS) .  
END IF .  
Variable label BRSTEXCL 'Breastfed exclusively (months)'.  
EXECUTE .
```

```
***weaning.  
*cannot be derived.  
*var computed and left sysmis.
```

```
DO IF (agemth<60) .  
COMPUTE Weaned = 1 .  
RECODE  
    Weaned (1=SYSMIS) .  
END IF .  
Variable labels Weaned 'Length of breastfeeding (months)'.  
EXECUTE .
```

```
***time reference for variable CHILDIAR  
*cannot be derived.  
*var computed and left sysmis.
```

```
DO IF (agemth<60) .  
COMPUTE child_tr =1 .  
RECODE  
    child_tr (1=SYSMIS).  
END IF .  
Variable labels CHILD_TR 'Time reference for variable CHILDIAR (weeks)' .
```

EXECUTE .

***diarrhea last CHILD_TR.

*cannot be derived.

*var computed and left sysmis.

DO IF (agemth<60) .

COMPUTE childiar=1.

RECODE

childiar (1=SYSMIS).

END IF .

Variable label CHILDIAR 'Child diarrhea last CHILD_TR'.

Value label childiar 1 'Yes'

0 'No'.

EXECUTE .

***amount of fluids given.

*cannot be derived.

*var computed and left sysmis.

DO IF (agemth<60) .

COMPUTE diarrfld=1.

RECODE

Diarrfld(1=SYSMIS).

END IF .

Variable label DIARRFLD ' Amount of fluids given during diarrhea '.

Value label diarrfld 1 'Same'

2 'Less'

3 'More'

4 'DK'.

EXECUTE .

***amount of foods given.

*cannot be derived.

*var computed and left sysmis.

DO IF (agemth<60) .

COMPUTE diarrfod=1.

RECODE

diarrfod (1=SYSMIS) .

END IF .

Variable label DIARRFOD ' Amount of foods given during diarrhea '.

Value label diarrfod 1 'Same'

2 'Less'

3 'More'

4 'DK'.

EXECUTE .

***BCG.

*survey asked about vaccination in general.

*cannot be derived.

*var computed and left sysmis.

DO IF (agemth<60.00).

COMPUTE bcg=1.

RECODE

```

        bcg (1=SYSMIS).
END IF .
Variable label BCG 'Child immunized against BCG'.
Value Label bcg    1  'Yes'
                  0  'No'.

EXECUTE .

***polio.
*survey asked about vaccination in general.
*cannot be derived.
*var computed and left sysmis.

DO IF (agemth<60.00).
COMPUTE polio_do=1.
RECODE
        polio_do (1=SYSMIS).
END IF .
Variable label POLIO_DO 'Number of doses of Polio received'.
Value Label polio_do 0 'No dose'
                  1  'One dose'
                  2  'Two doses'
                  3  'Three doses'
                  4  'More than three doses'
                  9  'Unspecified number of doses'.

EXECUTE .

***dpt.
*the survey did not ask how many doses each child got.
*cannot be derived.
*var computed and left sysmis.

DO IF (agemth<60.00).
COMPUTE dpt_dose =1.
RECODE
        dpt_dose (1=SYSMIS).
END IF .
Variable label DPT_DOSE 'Number of doses of DPT received'.
Value Label dpt_dose 0 'No dose'
                  1  'One dose'
                  2  'Two doses'
                  3  'Three doses'
                  4  'More than 3 doses'
                  9  'Unspecified number of doses'.

EXECUTE .

***measles vaccine.
*cannot be derived.
*var computed and left sysmis.

DO IF (agemth< 60.00).
COMPUTE measles =1.
RECODE
        measles (1=SYSMIS).
END IF.
Variable label MEASLES 'Child immunized against measles'.
Value labels measles 1 'Yes'

```



```

0 'No'.

EXECUTE .

***vaccine.
*the survey asked about vaccination.
*difficult to distinguish what individual vaccines were administered.

DO IF (agemth<= 60.00).

RECODE
    i6c (1=1) (2=4) (3=4) INTO vaccine.
END IF .

Variable label VACCINE 'Immunization status of Child'.
Value labels vaccine    1 'Fully immunised'
                       2 'Partially immunised'
                       3 'immunized but no information on completeness'
                       4 'Not immunised'.

EXECUTE .

***weight in kilograms.
*valid cases 7339.
*missing 35706 cases.

COMPUTE weight = weight1.
Variable label WEIGHT 'Weight of Child (grams)'.
EXECUTE .

***height in cm.
*valid 6591 cases.
*missing 36454 cases.

COMPUTE height = height1.
Variable label HEIGHT 'Height of Child (cm)'.
EXECUTE .

***stunting (Z-score).
*Z-score used here are 1978 CDC scales.
*valid cases 6591.
*missing cases 36454.

IF (weight > 0 and height > 0 and agemth >=6 & agemth < 60) haz=fldcdchaz.
Variable labels HAZ 'Height-for- age Z-score (stunting)'.
EXECUTE .

***stunting.
*missing 35544 cases.

RECODE
    stunted1 (1=1) (2=2) INTO stunted .
Variable label STUNTED 'Height-for- age'.
Value labels stunted    1 'Yes,stunted'
                       2 'No, not stunted'.

EXECUTE .

***wasting (Z-score).

```

*valid cases 6056.

*missing cases 36989.

IF (weight > 0 and height > 0 and agemth >=6 & agemth < 60) whz=fldcdcwhz.

Variable label WHZ 'Weight-for-height Z-score (wasting)'.

EXECUTE .

***wasting.

*missing 35763 cases.

RECODE

wasted1 (1=1) (2=2) INTO wasted .

Variable label WASTED 'Weight-for-height Z-score (wasting)'.

Value labels wasted 1 'Yes, wasted'

2 'No, not wasted'.

EXECUTE .

***underweight (Z-score).

*valid cases 6591.

*missing cases 36454.

IF (weight > 0 and height > 0 and agemth >=6 & agem < 60) waz=fldcdcwaz.

Variable label WAZ 'Weight-for-age Z-score (underweight)'.

EXECUTE .

***underweight.

*missing cases 35544.

RECODE

underw (1=1) (2=2) INTO underwgh .

Variable label UNDERWGH 'Weight-for-age'.

Value labels underwgh 1 'Yes, underweight'

2 'No, not underweight'.

EXECUTE .

***mage, meduc created during file extraction.

*see file extraction for details.

*see consistency checks for details how mother number derived.

*age of child is the determining factor in collecting these variables.

*if age in months missing, then meduc, mage should be missing.

***Age of mother.

DO IF (agemth<60).

COMPUTE mage=agemth.

END IF.

Variable label MAGE 'Age of Mother'.

EXECUTE .

***education of mother.

DO IF ((agemth < 60) and (agey >= 5)).

RECODE

educmoth (0=1) (1=2) (2=99) (3=99) (11 thru 14=3) (15 thru 16=4) (21thru 24=5) (25 thru 27=6) (31thru 32=7) (33=8) INTO meduc .

```

END IF .
Variable label MEDUC 'Education level of mother'.
Value Label meduc  1  'No level'
                   2  'Pre-school'
                   3  'Primary, not completed'
                   4  'Primary completed, no secondary'
                   5  'Secondary not completed'
                   6  'Secondary completed'
                   7  'Post secondary technical'
                   8  'University and higher'
                   9  'Formal Adult education or literacy program'
                  10  'Not stated'
                  99  'Other'.

```

EXECUTE.

***Age of father.

```

DO IF (agemth<60).
COMPUTE fage=agefath.
END IF.
Variable label FAGE 'Age of Father'.
EXECUTE .

```

***education of father.

DO IF ((agemth < 60) and (agey >= 5)).

```

RECODE
    educfath (0=1) (1=2) (2=99) (3=99) (11 thru 14=3) (15 thru 16=4) (21thru 24=5) (25 thru 27=6) (31thru 32=7)
    (33=8) INTO feduc .

```

```

END IF .
Variable label FEDUC 'Education level of Father'.
Value Label feduc  1  'No level'
                   2  'Pre-school'
                   3  'Primary, not completed'
                   4  'Primary completed, no secondary'
                   5  'Secondary not completed'
                   6  'Secondary completed'
                   7  'Post secondary technical'
                   8  'University and higher'
                   9  'Formal Adult education or literacy program'
                  10  'Not stated'
                  99  'Other'.

```

EXECUTE.

```

SAVE OUTFILE= 'C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_la.sav'
/KEEP= country geocode1 geocode2 hid surveyr rururb wta_ind indid sex relat marstat sp_pres literacy everattd educlev
atschool levatnd
schltyp morb_tr morbid rtreatm hlthfac owhprovd fplan empl_u occupa_u statem_u isic31_u hourwr_u labinc empl_7
Occup_7
statem_7 isic31_7 hourwr_7 seach_tr search fetwater fetwood cooking childcar hkeeping whdeliv bweight brstfeed
brstexcl

```

```

weight height dateinte datebith agemth fldWHOHAZ fldWHOWAZ fldWHOWHZ nut1978_fldBMI fldCDCHAZ
fldCDCWAZ fldCDCWHZ
nut2000_fldBMI agey agem Weaned child_tr childiar diarrfld diarrfod bcg polio_do dpt_dose measles vaccine haz
stunted whz
wasted waz underwgh mage meduc fage feduc
/COMPRESSED .

```

Missing variables for Individual-level file

Variables that cannot be COMPUTED in individual-level file (not information present). These variables have been computed but left as missing:

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| EMPL_U | ISIC31_U | HOURWR_U | LABINC | OCCUPA_U | STATEM_U | ISIC31_U |
| HOURWR_7 | SEACH_TR | FETWATER | FETWOOD | COOKING | CHILDCAR | HKEEPING |
| BRSTFEED | BRSTEXCL | WEANED | CHILD_TR | CHIL DAR | DIARRFLD | DIARRFOD |
| BCG | POLIO_DO | DPT_DOSE | MEASLES | | | |

Final variables for Individual-level file

***pcexp merged from fom HH-level file so as to generate quintile and deciles.

*see end of program (Final two data file created) for quintiles insertion.

***merge quintiles.

GET

```

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_la.sav' .

```

MATCH FILES /FILE=*

```

/TABLE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\quintiles.sav'
/BY hid.

```

EXECUTE.

```

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_la.sav'
/COMPRESSED.

```

***add formats.

GET

```

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_la.sav'.

```

```

FORMATS country(A3).
FORMATS geocode1(A6).
FORMATS geocode2(f4.0).
FORMATS hid(A20).
FORMATS surveyr(f4.0).
FORMATS rururb(f1.0).
FORMATS wta_ind(f4.2).
FORMATS indid(f3.0).
FORMATS sex(f1.0).

```

FORMATS relat(f1.0).
 FORMATS agey(f2.0).
 FORMATS marstat(f1.0).
 FORMATS sp_pres(f1.0).
 FORMATS literacy(f1.0).
 FORMATS everattd(f1.0).
 FORMATS educlev(f2.0).
 FORMATS atschool(f1.0).
 FORMATS levattnd(f2.0).
 FORMATS schltyp(f1.0).
 FORMATS morb_tr(f1.0).
 FORMATS morbid(f1.0).
 FORMATS rtreatm(f1.0).
 FORMATS hlthfac(f1.0).
 FORMATS owhprovd(f1.0).
 FORMATS fplan(f1.0).
 FORMATS empl_u(f1.0).
 FORMATS occupa_u(f1.0).
 FORMATS statem_u(f1.0).
 FORMATS isic31_u(f2.0).
 FORMATS hourwr_u(f3.0).
 FORMATS labinc(f11.2).
 FORMATS empl_7(f1.0).
 FORMATS occupa_7(f1.0).
 FORMATS statem_7(f1.0).
 FORMATS isic31_7(f2.0).
 FORMATS hourwr_7(f3.0).
 FORMATS seach_tr(f2.0).
 FORMATS search(f1.0).
 FORMATS fetwater(f1.0).
 FORMATS fetwood(f1.0).
 FORMATS cooking(f1.0).
 FORMATS childcar(f1.0).
 FORMATS hkeeping(f1.0).
 FORMATS agem(f2.0).
 FORMATS whdeliv(f1.0).
 FORMATS bweight(f6.0).
 FORMATS brstfeed(f6.0).
 FORMATS brstexcl (f6.0).
 FORMATS weaned(f6.0).
 FORMATS child_tr(f1.0).
 FORMATS childiar(f1.0).
 FORMATS diarrfld(f1.0).
 FORMATS diarrfod(f1.0).
 FORMATS bcg(f1.0).
 FORMATS polio_do(f1.0).
 FORMATS dpt_dose(f1.0).
 FORMATS measles(f1.0).
 FORMATS vaccine(f1.0).
 FORMATS weight(f6.2).
 FORMATS height(f6.2).
 FORMATS haz(f5.2).
 FORMATS stunted(f1.0).
 FORMATS whz(f5.2).
 FORMATS wasted(f1.0).
 FORMATS waz(f5.2).

```

FORMATS underwgh(f1.0).
FORMATS mage(f2.0).
FORMATS meduc(f2.0).
FORMATS feduc(f2.0).
FORMATS quintile(f1.0).
FORMATS nquintil(f1.0).
FORMATS ndecil(f2.0).
FORMATS dfquin(f1.0).
FORMATS ndfquin(f1.0).
FORMATS ndfdecil(f2.0).

```

```

SORT CASES BY
    hid.

```

```

FILTER OFF.
SELECT IF (dfquin >= 1).
EXECUTE .

```

```

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\stdfile\tables\NER_04_l.sav'

```

```

/KEEP =country geocode1 geocode2 hid surveyr rururb wta_ind indid sex relat agey marstat sp_pres
        literacy everattd educlev atschool levatnd schltyp morb_tr morbid rtreatm hlthfac owhprovd fplan
        empl_u occupa_u statem_u isic31_u hourwr_u labinc empl_7 occupa_7 statem_7 isic31_7 hourwr_7
        seach_tr search fetwater fetwood cooking childcar hkeeping agem whdeliv bweight brstfeed brstexcl
        weaned child_tr childiar diarrfld diarrfod bcg polio_do dpt_dose measles vaccine weight height haz
        stunted whz wasted waz underwgh mage meduc feduc quintile nquintil ndecil dfquin ndfquin ndfdecil
/COMPRESSED .

```

HOUSEHOLD LEVEL INFORMATION

File extraction

Original data files from databank used. Some variables included even if not used for file creation to help in consistency checks.

| | Source file | Sections | Output file | Variables in the output file |
|---|-----------------|----------|---------------|--|
| 1 | FINNER_04_I.sav | | HEAD.sav | Extracted from Individual-level file. HID;COUNTRY; RURURB; GEOCODE1; GEOCODE2; HID; SURVEYR; WTA_IND; SEX; B5; MARSTAT; EDUCLEV; EMPL; OCCUPA_U; |
| 2 | FINNER_04_I.sav | | HH_FAO.sav | Generates FAO adult equivalent scales (FAO_ADQ); household size (HHSIZE) |
| 3 | HHDATA.sav | All | AMENITIES.sav | hid a1 a2 a3 a4 a5 a6 a7 a8 a9 f1 f2 f3 f4 f5 f6 f7 f8a f8b f8c f8d f8e f8f f9a f9b f9c f9d f9e f9f f10a f10b f10c f10d f10e f10f f11a1 f11b1 f11c1 f11d1 f11e1 f11f1 f11g1 f11h1 f11i1 f11j1 f11k1 f11l1 f11m1 f11n1 f11o1 f11a2 f11b2 f11c2 f11d2 f11e2 f11f2 f11g2 f11h2 f11i2 f11j2 f11k2 f11l2 f11m2 f11n2 f11o2 f12 f13a f13b f14a f14b g1 g2 g3 g4a g4b g5 g6a g6b g7 g8 g9 g10 g11 g12 g13a1 g13a2 g13a3 g13b1 g13b2 3b3 g13c1 g13c2 g13c3 g13d1 g13d2 g13d3 13e1 g13e2 g13e3 g13f1 g13f2 g13f3 13g1 g13g2 g13g3 g13h1 g13h2 g13h3 g13i1 g13i2 g13i3 g13j1 g13j2 g13j3 g13k1 13k2 g13k3 g13l1 g13l2 g13l3 g13m1 g13m2 g13m3 g13n1 g13n2 g13n3 g13o1 g13o2 g13o3 g14a g14b g14c g14d g14e g14f g14g g14h g14i g14j g14k g14l g14m g14n g14o g15a g15b g15c g15d g15e g15f g15g g15h g15i g15j g15k g15l g15m g15n g15o h11 h12 h13 h14 h15 h16 h17 h21 h22 h23 h24 h25 h26 h27 h3a1 h3b1 h3c1 h3d1 h3e1 h3f1 h3g1 h3h1 h3i1 h3j1 h3a2 h3b2 h3c2 h3d2 h3e2 h3f2 h3g2 h3h2 h3i2 h3j2 h3a3 h3b3 h3c3 h3d3 h3e3 h3f3 h3g3 h3h3 h3i3 h3j3 h3a4 h3b4 h3c4 h3d4 h3e4 h3f4 h3g4 h3h4 h3i4 h3j4 h3a5 h3b5 h3c5 h3d5 h3e5 h3f5 h3g5 h3h5 h3i5 h3j5 h3a6 h3b6 h3c6 h3d6 h3e6 h3f6 h3g6 h3h6 h3i6 h3j6 h3a7 h3b7 h3c7 h3d7 h3e7 h3f7 h3g7 h3h7 h3i7 h3j7 h41 h42 h43 h44 h45 h46 h51 h52 h53 h54 h55 h56 h6 h7 pmoutons pchevaux pchameau |
| 4 | FINNER_04_E.sav | | QUINTILES.sav | |

This section extracts files to use in order to generate standard files.
States which file is used and what variable selected.
Comments are above each file creation.

***select head information from individual level file created earlier.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finer_04_1.sav'.

FILTER OFF.

USE ALL.

SELECT IF (relat = 1).

EXECUTE .

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\head.sav'

/KEEP = HID country geocode1 geocode2 hid surveyr rururb wta_ind sex b5 marstat educlev empl_u occupa_u
statem_u isic31_u heduc HhWeight HHSize
/COMPRESSED.

***extract household data

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
new\MODULE QUIBB\hhdata.sav'.

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\hhold.sav'
/COMPRESSED.

***merge files

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\hhold.sav'.
MATCH FILES /FILE=*
/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\head.sav'
/RENAME (heduc HHSize HhWeight = d0 d1 d2)
/BY HID
/DROP= d0 d1 d2.
EXECUTE.

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
Update\Stdfile\Tables\finer_04_h.sav'
/COMPRESSED.

***extract animal information.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
new\MODULE QUIBB\hhdata.sav'.

COMPUTE cattle1 =SUM(f8a, f8d, f8e, f8f) .
EXECUTE.

COMPUTE goats1=SUM(f8b, f8c).

EXECUTE.

AGGREGATE

/OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\animals.sav'
/BREAK=HID
/cattle1= SUM(cattle1)
/goats1= SUM(goats1).

***merge animals file .

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_h.sav'.

MATCH FILES /FILE=*

/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\animals.sav'
/BY HID.

EXECUTE.

SAVE OUTFILE ='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_h.sav'
/COMPRESSED.

***extract income information.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\NER-2005-
new\MODULE DEPENSE\revenus.sav'.

IF (CODEPROD>=601 & CODEPROD<=631) aginc1=O2.
IF (CODEPROD>=632 & CODEPROD<=639) naginc1=O2.

AGGREGATE

/OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\income.sav'
/BREAK=HID
/naginc1_sum_1 = SUM(naginc1)
/aginc1_sum = SUM(aginc1).

***merge income file to household file.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_h.sav'.

MATCH FILES /FILE=*

/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\income.sav'
/BY HID.

EXECUTE.

SAVE OUTFILE ='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_h.sav'
/COMPRESSED.

=====

Standard file creation

Standard file creation

*This point onward generate household level indicators.

GET

FILE ='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finner_04_h.sav'.

***Following variables created in individual file.

*variables can be extracted from the individual file.

*Therefore no need to reconstruct them again.

*variables = COUNTRY, GEOCODE1, GEOCODE2, HID, SURVEYR, WTA_IND, RURURB.

***Weighting coefficient.

RENAME VAR (wta_ind=wta_hh) .

Variable label WTA_HH 'weighting coefficient' .

***Number of people in the household.

RENAME VAR HHSIZE=hhsz1.

COMPUTE hhsz1 = hhsz1 .

Variable label HHSIZE 'Number of people in the household'.

EXECUTE.

***Population weighting coefficient.

COMPUTE wta_pop = wta_hh*hhsz1 .

Variable label WTA_POP 'Population weighting coefficient' .

***sex of head.

RENAME VAR (sex=hhsex).

Variable label HHSEX 'Sex of household Head'.

Value label hhsex 1 'Male'
 2 'Female'.

EXECUTE .

***age of head of household.

RENAME VAR (b5=hhb5).

Variable label HHB5 'Age of household Head'.

EXECUTE .

***Marital statues of household head.

RENAME VAR (marstat=hhmarst).

Variable label HHMARST 'Age of household Head'.

Value label hhmarst 1 'Never married'
 2 'Married monogamous'
 3 'Married polygamous'
 4 'Living together'
 5 'Divorced/Separated'

```

        6 'Widowed'.
EXECUTE .

***computation of HHSTRUC.

IF (hhsex = 1 & hhmarst = 1) hhstruc = 3 .
IF (hhsex = 1 & hhmarst = 2) hhstruc = 1 .
IF (hhsex = 1 & hhmarst = 3) hhstruc = 2 .
IF (hhsex = 1 & hhmarst >= 4) hhstruc = 3 .
IF (hhsex = 2 & hhmarst = 1) hhstruc = 5 .
IF (hhsex = 2 & hhmarst >= 4) hhstruc = 5 .
IF (hhsex = 2 & hhmarst >= 2 and hhmarst <= 3) hhstruc = 4 .
Variable label HHSTRUC 'Household structure'.
Value labels hhstruc      1 'Monogamous male-headed'
                        2 'Polygamous male-headed'
                        3 'Single male-headed'
                        4 'De facto female'
                        5 'De jure female'.

EXECUTE .

***education of head of household.

RENAME VAR (heduc=hheduc).
Variable label HHEDUC 'Education level of household Head'.
EXECUTE .

***employment of head.

RENAME VAR (empl_u=hhempl).
Variable label HHEMPL 'Employment sector of household Head'.
Value label hhempl      1 'Agricultural'
                        2 'Other (non-agricultural)'.

EXECUTE .

***occupation of head.

RENAME VAR (occupa_u=hhoccu).
Variable label HHOCU 'Main occupation of household Head'.
EXECUTE .

***status of head.

RENAME VAR (statem_u=hhstatem).
Variable label HHSTATEM 'Status of occupation of household Head'.
EXECUTE .

***industry of activity of head.

RENAME VAR (isic31_u=hhisic31).
Variable label HHISIC31 'Branch of activity'.
EXECUTE .

***socioeconomic group of head.
*cannot be derived.
*var computed and left sysmis.

```

```

COMPUTE hhsegrp=1.
RECODE hhsegrp (1= SYSMIS).
Variable label HHSEGRP 'Socio-economic group of household Head'.
Value labels hhsegrp   1 'Export crop farmers'
                      2 'Food crop farmer'
                      3 'Pastoralist'
                      4 'Formal - Government'
                      5 'Formal - Private'
                      6 'Informal'
                      9 'Other'.

```

```
EXECUTE.
```

***ownership of dwelling unit.

```

RECODE
g1 (1=1) (2 thru 4=0) INTO ownhouse.
Variable label OWNHOUSE 'Ownership of dwelling unit'.
Value label ownhouse   1 'Yes'
                      0 'No'.

```

```
EXECUTE .
```

***materials used for roof.

```

RECODE
g7 (1=1) (2=2) (3=3) (4=4) (5=5) (6=6) (7,8=9) INTO roof.
Variable label ROOF 'Main material used for roof'.
Value label roof   1 'Earth'
                  2 'Thatch'
                  3 'Wood'
                  4 'Iron sheets'
                  5 'Cement'
                  6 'Tiles/bricks'
                  9 'Other'.

```

```
EXECUTE .
```

***walls.

```

RECODE
g8 (1=1) (2=9) (3=2) (4=5) (5=3) (6=4) (7,8=9) INTO walls.
Variable label WALLS 'Main material used for external walls'.
Value label walls   1 'Earth'
                  2 'Bricks'
                  3 'Wood'
                  4 'Iron sheets'
                  5 'Cement'
                  9 'Other'.

```

```
EXECUTE .
```

***floor type.

*cannot be derived.

*var computed and left sysmis.

```

COMPUTE floor=1.
RECODE
floor (1= SYSMIS).
Variable label FLOOR 'Main material used for external floor'.

```

Value label walls 1 'Earth'
 2 'Bricks'
 3 'Wood planks'
 4 'Polished wood/tiles'
 5 'Cement'
 9 'Other'.

EXECUTE .

***rooms.

COMPUTE rooms = g2.

Variable label ROOMS 'Number of habitable rooms'.

EXECUTE .

***Source of water

RECODE

g9 (1=1) (2=2) (3=3) (4=5) (5=4) (6=6) (7=9) INTO water .

Variable label WATER 'Main source of water'.

Value label water 1 'Pipe (own tap)'
 2 'Public standpipe'
 3 'Well (protected)'
 4 'Surface water'
 5 'Rain water'
 6 'Vendor/truck'
 9 'Other'.

EXECUTE .

***Actual distance to main water point (kms).

*survey did ask for actual distances.

COMPUTE adiswat=g13h3.

Variable label ADISWAT 'Actual distance to main water point (kms)'.

EXECUTE.

***actual distance to main water point.

RECODE

g13h3 (0=1) (0.1 thru 1=2) (1.01 thru 2=3) (2.0 thru 5=4) (5.01 thru 10=5) (10.01 thru hi=6) INTO adiswat1.

Variable label ADISWAT1 'Actual distance to main water point'.

Value label adiswat1 1 'Within dwelling'
 2 'Outside dwelling and up to 1 km'
 3 '>1-2 km'
 4 '>2-5 km'
 5 '>5-10 km'
 6 'Over 10 km'
 9 'Undefined'.

EXECUTE .

***actual time taken to main water point (mins).

COMPUTE atimwat=(g13h1*60) + g13h2.

Variable label ATIMWAT 'Actual time taken to main water point (mins)'.

EXECUTE.

*** actual time taken to main water point.

RECODE

atimwat (0=1) (0.1 thru 0.30=2) (0.31 thru 1=3) (1.01 thru 6=4) (6.01 thru 12=5) (12.01 thru hi=6) INTO atimwat1.
Variable label ATIMWAT1 'Actual time taken to main water point'.

Value Label atimwat1 1 'Available at home'
2 'Within ½ hour'
3 '>½ to 1 hour away'
4 '>1 to 6 hours'
5 '>6 to 12 hrs'
6 'Over 12 hrs'
9 'Undefined'.

EXECUTE .

***connection of electricity in dwelling.

*indirect method used.

*use cooking=electricity and lighting=electcon.

IF (g3=1) electcon=1.

IF(g3=2 & SYSMIS(electcon)) electcon=4.

Variable label ELECTCON 'Connection of electricity in dwelling'.

Value Label electcon 1 'Yes, public or quasi public'
2 'Yes, private'
3 'Yes, but source unstated'
4 'No'.

EXECUTE.

***cooking fuel.

RECODE

g11 (1=1) (2=3) (3=2) (4=5) (5=4) (6, 7, 8, 9=9) INTO fuelcook.

Variable label FUELCOOK 'Main cooking fuel'.

Value labels fuelcook 1 'Firewood'
2 'Kerosene'
3 'Charcoal'
4 'Electricity'
5 'Gas'
9 'Other'.

EXECUTE .

***lighting fuel.

RECODE

g12 (1=2) (2=4) (3,4=1) (6=3) (5, 7, 8=9) INTO fuelligh.

Variable label FUELLIGH 'Main lighting fuel' .

Value labels fuelligh 1 'Electricity'
2 'Kerosene'
3 'Candles'
4 'Gas'
9 'Other' .

EXECUTE.

***toilet facility.

RECODE

g10 (2,3=1) (5,6=2) (1,4=3) (7,8=9) INTO toilet.

Variable label TOILET 'Main toilet facility'.

Value labels toilet 1 'Flush toilet'
 2 'Pit latrine'
 3 'No facility'
 9 'Other'.

EXECUTE .

***garbage disposal.

*cannot be derived.

*var computed and left sysmis.

COMPUTE garbdisp=1.

RECODE

garbdisp (1=SYSMIS) .

Variable label GARBDISP 'Garbage and trash disposal' .

Value Label garbdisp 1 'Collected, public'
 2 'Collected, private'
 3 'Buried'
 4 'Burned'
 5 'Discard in empty lots, streets'
 9 'Other' .

EXECUTE .

***distance to nearest water point (kms).

*cannot be derived.

*var created and left missing.

COMPUTE diswat=1.

RECODE

diswat (1=SYSMIS).

Variable label DISWAT 'Distance to nearest water point (kms)'.

EXECUTE.

*** distance to nearest water point.

*cannot be derived.

**var computed and left sysmis.

COMPUTE diswat1=1.

RECODE

diswat1 (1=SYSMIS).

Variable label DISWAT1 'Distance to nearest water point'.

Value label diswat1 1 'Within dwelling'
 2 'Outside dwelling and up to 1 km'
 3 '>1-2 km'
 4 '>2-5 km'
 5 '>5-10 km'
 6 'Over 10 km'
 9 'Undefined'.

EXECUTE .

***Time taken to nearest water point (mins).

*cannot be derived.

**var computed and left sysmis.

COMPUTE timwat=1.

RECODE

timwat (1= SYSMIS).
Variable label TIMWAT 'Time taken to nearest water point'.

***time taken to nearest water point.
*cannot be derived.
*var computed and left sysmis.

COMPUTE timwat1=1.
RECODE
Timwat1 (1= SYSMIS).
Variable label TIMWAT1 'Time taken to nearest water point'.
Value Label timwat1 1 'Available at home'
2 'Within ½ hour'
3 '>½ hour to 1 hour away'
4 '>1 to 6 hours'
5 '>6 to 12 hrs'
6 'Over 12 hrs'
9 'Undefined'.

EXECUTE .

***Distance to nearest market (kms).
*cannot be derived.
*var computed and left sysmis.

COMPUTE dismark=g13i3.
Variable label DISMARK 'Distance to nearest market (kms)'.
EXECUTE.

*** Distance to nearest market.
*distance to food market.

RECODE
g13i3 (low thru 1=2) (1.01 thru 2=3) (2.0 thru 5=4) (5.01 thru 10=5) (10.01 thru hi=6) INTO dismark1.
Variable label DISMARK1 'Distance to nearest market'.
Value label dismark1 2 'Outside dwelling and up to 1 km'
3 '>1-2 km'
4 '>2-5 km'
5 '>5-10 km'
6 'Over 10 km'
9 'Undefined'.
EXECUTE .

***time taken to nearest market.

COMPUTE timmark=g13i1*60 + g13i2.
Variable label TIMMARK 'time taken to nearest market'.
EXECUTE .

*** time taken to nearest market.

RECODE
timmark (0=1) (0.1 thru 0.30=2) (0.31 thru 1=3) (1.01 thru 6=4) (6.01 thru 12=5) (12.01 thru hi=6) INTO
timmark1.
Variable label TIMMARK1 'Time taken to nearest market'.
Value Label timmark1 2 'Within ½ hour'
3 '½ to 1 hour away'

4 '>1 to 6 hrs'
 5 '>6 to 12 hrs'
 6 'Over 12 hrs'
 9 'Undefined'.

EXECUTE .

***distance to nearest elementary/primary school (kms).

COMPUTE dispsch =g13a3.

Variable label DISPSCH 'Distance to nearest elementary/primary school (kms)'.

EXECUTE.

****distance to reach primary school.

RECODE

g13a3 (low thru 1=2) (1.01 thru 2=3) (2.0 thru 5=4) (5.01 thru 10=5) (10.01 thru hi=6) INTO dispsch1.

Variable label DISPSCH1 'Distance to elementary/primary school'.

Value label dispsch1 2 'Outside dwelling and up to 1 km'

3 '>1-2 km'

4 '>2-5 km'

5 '>5-10 km'

6 'Over 10 km'

9 'Undefined'.

EXECUTE .

***time taken to nearest elementary/primary school (mins).

COMPUTE timpsch=(g13a1*60) + g13a2.

Variable label TIMPSCH 'Time taken to nearest elementary/primary school (mins)'.

EXECUTE.

*** time taken to nearest elementary/primary school.

*cannot be derived.

*var computed and left sysmis.

RECODE

timpsch (0=1) (0.1 thru 0.30=2) (0.31 thru 1=3) (1.01 thru 6=4) (6.01 thru 12=5) (12.01 thru hi=6) INTO Timpsch1.

Variable label TIMPSCH1 'Time taken to nearest elementary/primary school'.

Value Label timpsch1 2 'Within ½ hour'

3 '½ to 1 hour away'

4 '>1 to 6 hrs'

5 '>6 to 12 hrs'

6 'Over 12 hrs'

9 'Undefined'.

EXECUTE .

***distance to nearest secondary school (kms).

COMPUTE disssch= g13b3.

Variable label DISSSCH 'Distance taken to nearest secondary school (kms)'.

EXECUTE.

***distance to reach secondary school.

RECODE

g13b3 (low thru 1=2) (1.01 thru 2=3) (2.0 thru 5=4) (5.01 thru 10=5) (10.01 thru hi=6) INTO disssch1.

Variable label DISSSCH1 'Distance to secondary school'.
 Value label disssch1 2 'Outside dwelling and up to 1 km'
 3 '>1-2 km'
 4 '>2-5 km'
 5 '>5-10 km'
 6 'Over 10 km'
 9 'Undefined'.

EXECUTE .

***time spent to reach secondary school.

COMPUTE timssch= (g13b1*60) + g13b2.

Variable label TIMSSCH 'Time taken to nearest secondary school (mins)'.
 EXECUTE.

***time to secondary school.

RECODE

timssch (0=1) (0.1 thru 0.30=2) (0.31 thru 1=3) (1.01 thru 6=4) (6.01 thru 12=5) (12.01 thru hi=6) INTO timssch1.

Variable label TIMSSCH1 'Time spent to secondary school'.

Value Label timssch1 1 'Available near home'
 2 'Within ½ hour'
 3 '½ hour to 1 hour away'
 4 '1 - 6 hours'
 5 '½ day to one full day'
 6 'More than one day'
 9 'Undefined'.

EXECUTE .

***Distance to nearest health center/clinic (kms).

COMPUTE disheal= g13d3.

Variable label DISHEAL 'Distance to nearest health center/clinic (kms)'.
 EXECUTE.

***distance to health center.

RECODE

g13d3 (low thru 1=2) (1.01 thru 2=3) (2.0 thru 5=4) (5.01 thru 10=5) (10.01 thru hi=6) INTO disheal1.

Variable label DISHEAL1 'Distance to health center/clinic'.

Value label disheal1 2 'Outside dwelling and up to 1 km'
 3 '>1-2 km'
 4 '>2-5 km'
 5 '>5-10 km'
 6 'Over 10 km'
 9 'Undefined'.

EXECUTE .

*** time taken to nearest health center/clinic (mins).

COMPUTE timheal= g13d1*60 + g13d2 .

Variable label TIMHEAL 'Time spent to health center/clinic (mins)'.
 EXECUTE.

***time taken to nearest health center/clinic (mins).

*cannot be derived.

*var computed and left sysmis.

RECODE

timheal (0=1) (0.1 thru 0.30=2) (0.31 thru 1=3) (1.01 thru 6=4) (6.01 thru 12=5) (12.01 thru hi=6) INTO timheal1.

Variable label TIMHEAL1 'Time spent to health center/clinic'.

Value Label timheal1 2 'Within ½ hour'
 3 '>½ hour to 1 hour away'
 4 '>1 to 6 hours'
 5 '>6 to 12 hrs'
 6 'Over 12 hrs'
 9 'Undefined'.

EXECUTE .

***distance to nearest all season road (kms).

COMPUTE disroad = g13j3.

Variable label DISROAD 'Distance to nearest all season road (kms)'.

EXECUTE.

***distance to nearest all season road.

*used distance to all weather road.

RECODE

g13j3 (low thru 1=2) (1.01 thru 2=3) (2.0 thru 5=4) (5.01 thru 10=5) (10.01 thru hi=6) INTO disroad1.

Variable label DISROAD1 'Distance to nearest all season road'.

Value Label disroad1 2 'Outside dwelling and up to 1 km'
 3 '>1-2 km'
 4 '>2-5 km'
 5 '>5-10 km'
 6 'Over 10 km'
 9 'Undefined'.

EXECUTE.

***time taken to nearest all season road (mins).

COMPUTE timroad= (g13j1*60) + g13j2.

Variable label TIMROAD 'Time taken to nearest all season road (mins)'.

EXECUTE.

*** time taken to nearest all season road.

RECODE

Timroad (0=1) (0.1 thru 0.30=2) (0.31 thru 1=3) (1.01 thru 6=4) (6.01 thru 12=5) (12.01 thru hi=6) INTO Timroad1.

Variable label TIMROAD1 'Time taken to nearest all season road'.

Value Label timroad1 2 'Within ½ hour'
 3 '>½ hour to 1 hour away'
 4 '>1 to 6 hours'
 5 '>6 yo 12 hrs'
 6 'Over 12 hrs'
 9 'Undefined'.

EXECUTE.

***ownership of land.

IF (f1>=1) agland =1 .

IF (f1=0) agland =3 .

Variable label AGLAND 'Ownership of land'.
Value labels agland 1 'Yes'
 2 'Cannot be determined'
 3 'No'.

EXECUTE .

***agricultural land owned by household (ha).
*info not included in the survey.
*Created var and left as sysmis.

COMPUTE agIndow =1.

RECODE

agIndow(1= SYSMIS).

Variable label AGLNDOW 'Agricultural land owned by household (hectares)'.

EXECUTE .

***land size owned by household (ha).
*cannot be derived.
*var computed and left sysmis.

COMPUTE landsize = 1 .

RECODE

landsize (1= SYSMIS).

Variable label LANDSIZE 'Land size owned by household (ha)'.

EXECUTE .

***radio ownership.
*ownership important and must be in working condition.

RECODE

f11e1 (1=1) (2=0) INTO radio .

Variable label RADIO 'Ownership of radio'.

Value labels radio 1 'Yes'
 0 'No'.

EXECUTE .

***television ownership.
*ownership important and must be in working condition.

RECODE

f11c1 (1=1) (2=0) INTO tv .

Variable label TV 'Ownership of television'.

Value labels tv 1 'Yes'
 0 'No'.

EXECUTE .

***phone ownership.
*cannot be derived.
*var computed and left sysmis.

COMPUTE phone=1.

RECODE

phone (1= SYSMIS).

Variable label PHONE 'Ownership of telephone'.

EXECUTE.

***mobile phone ownership.
*cannot be derived.
*var computed and left sysmis.

```
COMPUTE cphone=1 .  
RECODE  
cphone (1= SYSMIS).  
Variable label CPHONE 'Ownership of cellular'.  
Value labels cphone 1 'Yes'  
                  0 'No'.  
EXECUTE.
```

***refrigerator ownership.

```
RECODE  
f11b1 (1=1) (2=0) INTO rfridge .  
Variable label RFRIDGE 'Ownership of refrigerator'.  
Value labels rfridge 1 'Yes'  
                  0 'No'.  
EXECUTE .
```

***sewing machine ownership.

```
RECODE  
      f11h1(1=1) (2=0) INTO sewmach.  
Variable label SEWMACH 'Ownership of sewing machine'.  
Value labels sewmach 1 'Yes'  
                  0 'No'.  
EXECUTE.
```

***computer ownership.
*cannot be derived.
*var computed and left sysmis.

```
COMPUTE computer=1.  
RECODE  
computer (1=SYSMIS).  
Variable label COMPUTER 'Ownership of computer'.  
Value labels computer 1 'Yes'  
                  0 'No'.  
EXECUTE.
```

***stove ownership.

```
RECODE  
f11a1 (2=0) (1=1) INTO stove .  
Variable label STOVE 'Ownership of stove'.  
Value labels stove 1 'Yes'  
                  0 'No'.  
EXECUTE .
```

****oxcart ownership.

```
RECODE  
f11m1 (1=1) (2=0) INTO oxcart.  
Variable label OXCART 'Ownership of animal cart'.
```

Value labels oxcart 1 'Yes'
0 'No'.

EXECUTE .

***bicycle ownership.

RECODE

f11j1 (1=1) (2=0) INTO bcycle .

Variable label BCYCLE 'Ownership of bicycle'.

Value labels bcycle 1 'Yes'
0 'No'.

EXECUTE .

***boat/canoe ownership.

*cannot be derived.

*var computed and left sysmis.

COMPUTE boat=1.

RECODE

boat (1= SYSMIS).

Variable label BOAT 'Ownership of boat'.

EXECUTE .

***motorcycle ownership.

RECODE

f11k1 (2=0) (1=1) INTO mcycle .

Variable label MCYCLE 'Ownership of motorcycle'.

Value labels mcycle 1 'Yes'
0 'No'.

EXECUTE .

***private car ownership.

*This includes car, truck or tractor.

RECODE

f11l1 (1=1) (2=0) INTO car .

Variable label CAR 'Ownership of private car'.

Value labels car 1 'Yes'
0 'No'.

EXECUTE .

***large livestock owned.

COMPUTE llivesk=cattle1.

Variable label LLIVESK 'Number of large-sized livestock owned'.

EXECUTE .

***medium sized animals owned.

*if ownership not stated, left as sysmis.

COMPUTE mlivesk=goats1.

Variable label MLIVESK 'Number of meduim-sized livestock owned'.

EXECUTE .

***poultry owned.

*not asked in the survey.
*var computed and left sysmis.

COMPUTE poultry = 1 .

RECODE

Poultry(1=SYSMIS).

Variable label POULTRY 'Number of poultry owned'.

EXECUTE .

***agricultural income.

COMPUTE aginc = aginc1.

Variable label AGINC 'Agricultural household income (annual)' .

***non-agricultural income.

COMPUTE naginc = naginc1.

Variable label NAGINC 'Non-agricultural household income (annual)' .

***total income.

COMPUTE totinc=SUM(aginc,naginc).

Variable label TOTINC 'Annual household income'.

EXECUTE .

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finer_04_h.sav'
/COMPRESSED .

Missing variables for Household-level file

Variables that cannot be computed in household-level file (no information present). These variables have been created but left as missing:

| | | | | | |
|---------|----------|--------|---------|----------|---------|
| HHSEGRP | FLOOR | DISWAT | DISWAT1 | TIMWAT | TIMWAT1 |
| AGLNDOW | LANDSIZE | PHONE | CPHONE | COMPUTER | BOAT |
| POULTRY | | | | | |

Final variables for Household-level file

***final household-level standard file.

*insert per capita, quintile and deflated quintile from expenditure-level.sav.

*This is based on two conditions that (a) household expenditure greater than zero

*and (b) households with a corresponding basic population characteristics.

*quintile and per capita expenditure variables generated in expenditure aggregate.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\finer_04_h.sav'.

MATCH FILES /FILE=*

/FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data update\Stdfile\quintiles.sav'
/BY hid.

EXECUTE.

SORT CASES BY
hid.

FORMATS country(A3).
FORMATS geocode1(A6).
FORMATS geocode2(f4.0).
FORMATS hid(A6).
FORMATS surveyr(f4.0).
FORMATS rururb(f1.0).
FORMATS wta_hh(f4.2).
FORMATS wta_pop(f4.2).
FORMATS hhsex(f1.0).
FORMATS hhb5(f2.0).
FORMATS hhstruc(f2.0).
FORMATS hheduc(f2.0).
FORMATS hhempl(f1.0).
FORMATS hhoccu(f1.0).
FORMATS hhstatem(f1.0).
FORMATS hhisic31(f2.0).
FORMATS hhsegrp(f1.0).
FORMATS hhsize(f2.0).
FORMATS ownhouse(f1.0).
FORMATS roof(f1.0).
FORMATS walls(f1.0).
FORMATS floor(f1.0).
FORMATS rooms(f2.0).
FORMATS water(f1.0).
FORMATS adiswat(f4.0).
FORMATS adiswat1(f1.0).
FORMATS atimwat(f4.0).
FORMATS atimwat1(f1.0).
FORMATS electcon(f1.0).
FORMATS fuelcook(f1.0).
FORMATS fuelligh(f1.0).
FORMATS toilet(f1.0).
FORMATS garbdisp(f1.0).
FORMATS diswat(f4.0).
FORMATS diswat1(f1.0).
FORMATS timwat(f4.0).
FORMATS timwat1(f1.0).
FORMATS dismark(f4.0).
FORMATS dismark1(f1.0).
FORMATS timmark(f4.0).
FORMATS timmark1(f1.0).
FORMATS dispsch(f4.0).
FORMATS dispsch1(f1.0).
FORMATS timpsch(f4.0).
FORMATS timpsch1(f1.0).
FORMATS disssch(f4.0).
FORMATS disssch1(f1.0).
FORMATS timssch(f4.0).
FORMATS timssch1(f1.0).
FORMATS disheal(f4.0).
FORMATS disheal1(f1.0).

FORMATS timheal(f4.0).
 FORMATS timheal1(f1.0).
 FORMATS disroad(f4.0).
 FORMATS disroad1(f1.0).
 FORMATS timroad(f4.0).
 FORMATS timroad1(f1.0).
 FORMATS agland(f1.0).
 FORMATS aglndow(f1.0).
 FORMATS landsize(f5.0).
 FORMATS radio(f1.0).
 FORMATS tv(f1.0).
 FORMATS phone(f1.0).
 FORMATS cphone(f1.0).
 FORMATS rfridge(f1.0).
 FORMATS sewmach(f1.0).
 FORMATS computer(f1.0).
 FORMATS stove(f1.0).
 FORMATS oxcart(f1.0).
 FORMATS bcycle(f1.0).
 FORMATS boat(f1.0).
 FORMATS mcycle(f1.0).
 FORMATS car(f1.0).
 FORMATS llivesk(f5.0).
 FORMATS mlivesk(f5.0).
 FORMATS poultry(f5.0).
 FORMATS aginc(f12.2).
 FORMATS naginc(f12.2).
 FORMATS totinc(f12.2).
 FORMATS pcexp(f12.2).
 FORMATS pcexpdr(f12.2).
 FORMATS pcexpdpi(f12.2).
 FORMATS quintile(f1.0).
 FORMATS nquintil(f1.0).
 FORMATS ndecil(f2.0).
 FORMATS dfquin(f1.0).
 FORMATS ndfquin(f1.0).
 FORMATS ndfdecil(f2.0).

FILTER OFF.
 USE ALL.
 SELECT IF(quintile >= 0).
 EXECUTE .

SORT CASES BY
 hid.

SAVE OUTFILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
 Update\Stdfile\Tables\NER_04_h.sav'

/KEEP = country geocode1 geocode2 hid wta_hh wta_pop hhsex hhb5 hhmarst hhstruc hheduc hhempl hhoccu hhstatem
 hhisc31 hhsegrp hhsize ownhouse roof walls floor rooms water adiswat atimwat electcon fuelcook fuelligh toilet garbdisp
 diswat diswat1 timwat timwat1 dismark dismark1 timmark timmark1 dispsch dispsch1 timpsch timpsch1 disssch disssch1
 timssch timssch1 disheal disheal1 timheal timheal1 agland aglndow landsize radio tv phone cphone rfridge sewmach
 computer stove oxcart bcycle boat mcycle car llivesk mlivesk poultry aginc naginc totinc pcexp pcexpdr pcexpdpi quintile
 nquintil ndecil dfquin ndfquin ndfdecil
 /COMPRESSED .

CONSISTENCY CHECKS

This section contains major checks done.
Some checks are part of the standardized file extraction or creation.

***accuracy check on the sex of members.
*valid 8065 cases and 34980 missing.

GET

FILE='C:\Documents and Settings\wb307006\My Documents\HHbase\NER-2005\Data
update\Stdfile\Tables\fineth_04_I.sav'.

FREQUENCIES

VARIABLES=b1
/ORDER= ANALYSIS .

***spouse present
*valid cases 7260.
*35785 missing.

FREQUENCIES

VARIABLES=sp_pres
/ORDER= ANALYSIS .

Annex – Rent Tables

Coefficients

| Model | | Unstandardized Coefficients B | Std. Error | Standardized Coefficients Beta | t | Sig. | Dummy |
|-------|------------|-------------------------------|------------|--------------------------------|--------|-------|-------------|
| 1 | (Constant) | 8.194 | 0.187 | | 43.783 | 0 | |
| | Agadez | -0.401 | 0.115 | -0.092 | -3.47 | 0.001 | Niamey |
| | Diffa | -0.340 | 0.114 | -0.08 | -2.992 | 0.003 | |
| | Dosso | -0.440 | 0.095 | -0.122 | -4.62 | 0 | |
| | Maradi | -0.546 | 0.122 | -0.116 | -4.483 | 0 | |
| | Tahoua | -0.134 | 0.132 | -0.027 | -1.01 | 0.313 | |
| | Tillaberi | -0.209 | 0.116 | -0.047 | -1.798 | 0.073 | |
| | Zinder | -0.743 | 0.094 | -0.215 | -7.885 | 0 | |
| | Inroom | 0.722 | 0.049 | 0.385 | 14.727 | 0 | |
| | elecligt | 0.421 | 0.046 | 0.248 | 9.122 | 0 | othlight |
| | safewater | 0.084 | 0.052 | 0.043 | 1.61 | 0.108 | unsafewater |
| | nonelec | -0.408 | 0.153 | -0.067 | -2.666 | 0.008 | elec |
| | safetoil | 0.312 | 0.083 | 0.174 | 3.742 | 0 | nontoil |
| | unsafetoil | 0.076 | 0.079 | 0.045 | 0.963 | 0.336 | |
| | mudwall | 0.218 | 0.104 | 0.129 | 2.091 | 0.037 | othwall |
| | permwall | 0.447 | 0.11 | 0.265 | 4.052 | 0 | |
| | permroof | 0.285 | 0.058 | 0.169 | 4.948 | 0 | othroof |

Model Summary

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
|--|---------|----------|-------------------|----------------------------|
| 1 | .779(a) | 0.607 | 0.597 | 0.53554 |
| a Predictors: (Constant), permroof, Zinder, Maradi, Dosso, nonelec, Tahoua, Tillaberi, Diffa, Inroom, Agadez, unsafetoil, elecligt, safewater, mudwall, safetoil, permwall | | | | |
| b Dependent Variable: Inrent | | | | |

ANOVA

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|--|------------|----------------|-----|-------------|--------|---------|
| 1 | Regression | 284.323 | 16 | 17.77 | 61.959 | .000(a) |
| | Residual | 184.416 | 643 | 0.287 | | |
| | Total | 468.739 | 659 | | | |
| a Predictors: (Constant), permroof, Zinder, Maradi, Dosso, nonelec, Tahoua, Tillaberi, Diffa, Inroom, Agadez, unsafetoil, elecligt, safewater, mudwall, safetoil, permwall | | | | | | |
| b Dependent Variable: Inrent | | | | | | |

***amenities used to compute rent

Frequency Table

g8 Murs de la maison

| | | Frequency | Percent | Valid Percent | Cumulativ e Percent |
|-------|--------------------------|-----------|---------|---------------|------------------------|
| Valid | 1 Terre/briques en terre | 308 | 46.7 | 46.7 | 46.7 |
| | 2 Pierres | 3 | .5 | .5 | 47.1 |
| | 3 Briques cuites | 17 | 2.6 | 2.6 | 49.7 |
| | 4 Ciment/béton | 290 | 43.9 | 43.9 | 93.6 |
| | 5 Bois/bambou | 4 | .6 | .6 | 94.2 |
| | 6 Tôles en métal | 3 | .5 | .5 | 94.7 |
| | 7 Paille | 33 | 5.0 | 5.0 | 99.7 |
| | 8 Autres | 2 | .3 | .3 | 100.0 |
| | Total | 660 | 100.0 | 100.0 | |

g7 Toit de la maison

| | | Frequency | Percent | Valid Percent | Cumulativ e Percent |
|-------|------------------|-----------|---------|---------------|------------------------|
| Valid | 1 Terre | 193 | 29.2 | 29.2 | 29.2 |
| | 2 Paille | 79 | 12.0 | 12.0 | 41.2 |
| | 3 Bois | 42 | 6.4 | 6.4 | 47.6 |
| | 4 Tôles en métal | 314 | 47.6 | 47.6 | 95.2 |
| | 5 Ciment/béton | 21 | 3.2 | 3.2 | 98.3 |
| | 6 Tuiles | 3 | .5 | .5 | 98.8 |
| | 8 Nattes | 8 | 1.2 | 1.2 | 100.0 |
| | Total | 660 | 100.0 | 100.0 | |

g9 Approvisionnement d'eau à boire

| | Frequency | Percent | Valid Percent | Cumulativ e Percent |
|--|-----------|---------|---------------|------------------------|
| Valid 1 Robinet dans le logement/conc. | 224 | 33.9 | 33.9 | 33.9 |
| 2 Robinet public ext. ou forage | 256 | 38.8 | 38.8 | 72.7 |
| 3 Puits protégé | 12 | 1.8 | 1.8 | 74.5 |
| 4 Puits non protégé, pluie | 19 | 2.9 | 2.9 | 77.4 |
| 5 Rivière, lac, mare | 1 | .2 | .2 | 77.6 |
| 6 Vendeur, camion citerne | 147 | 22.3 | 22.3 | 99.8 |
| 7 Autres | 1 | .2 | .2 | 100.0 |
| Total | 660 | 100.0 | 100.0 | |

g10 Type de toilette utilisée

| | Frequency | Percent | Valid Percent | Cumulativ e Percent |
|---------------------------------|-----------|---------|---------------|------------------------|
| Valid 1 Nature/brousse | 72 | 10.9 | 10.9 | 10.9 |
| 2 Chasse d'eau avec égout | 19 | 2.9 | 2.9 | 13.8 |
| 3 Chasse d'eau - fosse septique | 31 | 4.7 | 4.7 | 18.5 |
| 4 Cuvette/seau | 7 | 1.1 | 1.1 | 19.5 |
| 5 Latrines couvertes | 166 | 25.2 | 25.2 | 44.7 |
| 6 Latrines non couvertes | 364 | 55.2 | 55.2 | 99.8 |
| 8 Autres | 1 | .2 | .2 | 100.0 |
| Total | 660 | 100.0 | 100.0 | |

g11 Combustible utilisé pour la cuisine

| | Frequency | Percent | Valid Percent | Cumulativ e Percent |
|-----------------------------|-----------|---------|---------------|------------------------|
| Valid 1 Bois à brûler | 602 | 91.2 | 91.2 | 91.2 |
| 2 Charbon de bois | 15 | 2.3 | 2.3 | 93.5 |
| 3 Pétrole/huile | 12 | 1.8 | 1.8 | 95.3 |
| 4 Gaz | 12 | 1.8 | 1.8 | 97.1 |
| 5 Électricité | 1 | .2 | .2 | 97.3 |
| 6 Résidus de moisson/sciure | 4 | .6 | .6 | 97.9 |
| 8 Pas de cuisine | 14 | 2.1 | 2.1 | 100.0 |
| Total | 660 | 100.0 | 100.0 | |

g12 Combustible utilisé pour l'éclairage

| | | Frequency | Percent | Valid Percent | Cumulativ e Percent |
|-------|----------------------|-----------|---------|---------------|------------------------|
| Valid | 1 Pétrole/paraff ine | 282 | 42.7 | 42.7 | 42.7 |
| | 2 Gaz | 2 | .3 | .3 | 43.0 |
| | 3 Electricité | 365 | 55.3 | 55.3 | 98.3 |
| | 5 Batteries | 4 | .6 | .6 | 98.9 |
| | 6 Bougies | 6 | .9 | .9 | 99.8 |
| | 8 Autre | 1 | .2 | .2 | 100.0 |
| | Total | 660 | 100.0 | 100.0 | |