Manual Wave 1

anonymized version

Coping with Climate Shocks in Mongolia Household Panel Survey

DIW Berlin and National Statistical Office

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Content

Chapter 1: Overview of the Survey

1. Brief introduction

The purpose of the research project is to analyze the well-being of households in Western Mongolia. In particular, we want to understand how dzuds affect the well-being of households, what strategies households apply to insure themselves against dzuds and other shocks, and how shocks influence migration. The results from the project will be relevant for policy makers on how to improve households' resilience against shocks. This project is jointly carried out by the German Institute for Economic Research (DIW Berlin) and the National Statistical Office of Mongolia (NSO).

This manual consists of three chapters. The first chapter contains general information on the survey "Coping with Shocks in Mongolia". It outlines the purpose of the survey, the sampling frame, and the method of data collection. The second chapter presents some general guidelines on how to conduct interviews with households. This chapter gives instructions on which household members have to be asked in every section of the questionnaire. It explains the enumerator what to do if an answer does not fit into the provided answering scheme. It also provides some general rules on how to prevent errors. The third chapter explains how to ask each question of the questionnaire. If an enumerator is uncertain on how to understand a particular question, he or she will find some helpful information in this chapter.

This manual is designed for all team members involved in this survey, including enumerators, supervisors, aimag statisticians, and data entry staff. The enumerators should clearly understand the purpose of the interview and its contents. Only a well-prepared enumerator will succeed and receive the full cooperation of respondents. Please study the manual properly to be able to obtain adequate and correct answers.

2. Survey purpose

The purpose of the survey is to study:

- households' demographic composition, education, and health
- the employment and income situation of households
- households' consumption patterns
- migration of households and how this is related to dzud and other shocks
- herding activities of households
- strategies of households to insure themselves against shocks
- households' subjective well-being, life satisfaction, and expectations about the future
- the housing situation of households
- anthropometric characteristics of children.

3. Data collecting method

The survey collects three types of data:

1. Enumerators collect data from 1,768 sample households in Western Mongolia by filling a Household Questionnaire form. The household interviews are the core of the project. This manual mainly discusses how to conduct household interviews using the Household Questionnaire form.

2. Soum statisticians of the surveyed aimags and soums fill in the Soum Questionnaire form in all sample soums and give them back to the survey supervisors.

3. Team supervisors fill in a Soum Price Questionnaire form in all sample soums in Western Mongolia.

4. Sampling design

The survey covers selected households in Western Mongolia in the three aimags of Govi-Altai, Zavkhan, and Uvs.

The survey sampling unit is the household. A household is a small group of persons who share the living accommodation, who pool some, or all, of their income and wealth and who consume certain types of goods and services collectively, mainly housing and food. The household can consist of one and more families. It may include non-relative people. The household may consist of one and more members.

A total of 1,768 households in Western Mongolia will be interviewed. Interviews are conducted with households in aimag centers, soum centers, and rural areas. The sample is representative for the population in the aimag center, soum centers, and rural areas of each aimag in the first project year. The “Population and housing census 2010” was used to define the sampling frame.

Number of household interviews	Aimag centers	Soum centers	Rural areas	TOTAL
Zavkhan	288	64	240	**592**
Govi-Altai	288	80	216	**584**
Uvs	296	80	216	**592**
TOTAL	**872**	**224**	**672**	**1,768**

Household interviews will be conducted in 221 Enumeration Areas (EA). In each EA, a fix number of 8 interviews have to be conducted.

Number of EAS	Aimag centers	Soum centers	Rural areas	TOTAL
Zavkhan	36	8	30	**74**
Govi-Altai	36	10	27	**73**
Uvs	37	10	27	**74**
TOTAL	**109**	**28**	**84**	**221**

It is important that the sampling design is strictly followed. Changing the sampling design is not allowed.

5. Survey period and time schedule

The survey collection will last 3 years, from May 2012 to April 2015. Three waves of data will be collected. Every household will be interviewed 3 times. After the first household interview takes place, the same household is interviewed again after exactly 12 and 24 months. The survey will start in May 2012.

	Month											
	January	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**
2012				pilot	First wave							
2013	First wave				Second wave							
2014	Second wave				Third wave							
2015	Third wave											

Household interviews (using the Household Questionnaire) are conducted every month year-round. This means that in every month, between 120 and 184 households have to be interviewed.

Time schedule for household interviews

	Month												TOTAL
	June 2012	**July 2012**	**August 2012**	**September 2012**	**October 2012**	**November 2012**	**December 2012**	**January 2013**	**February 2013**	**March 2013**	**April 2013**	**May 2013**	
Zavkhan	**64**	**40**	**56**	**40**	**56**	**40**	**64**	**40**	**56**	**40**	**56**	**40**	**592**
Aimag Center	24	24	24	24	24	24	24	24	24	24	24	24	288
Soum center	16	0	8	0	8	0	16	0	8	0	8	0	64
Rural	24	16	24	16	24	16	24	16	24	16	24	16	240
Govi-Altai	**56**	**40**	**64**	**40**	**56**	**48**	**56**	**40**	**56**	**40**	**48**	**40**	**584**
Aimag Center	24	24	24	24	24	24	24	24	24	24	24	24	288
Soum center	16	0	16	0	16	0	16	0	8	0	8	0	80
Rural	16	16	24	16	16	24	16	16	24	16	16	16	216
Uvs	**56**	**40**	**64**	**40**	**56**	**56**	**56**	**40**	**56**	**40**	**48**	**40**	**592**
Aimag Center	24	24	24	24	24	32	24	24	24	24	24	24	296
Soum center	16	0	16	0	16	0	16	0	8	0	8	0	80
Rural	16	16	24	16	16	24	16	16	24	16	16	16	216
TOTAL	**176**	**120**	**184**	**120**	**168**	**144**	**176**	**120**	**168**	**120**	**152**	**120**	**1,768**

The Soum Questionnaire has to be filled in once per year for every sample soum and aimag center where household interviews take place. The Soum Questionnaire has to be filled in during the first two months of data collection in each round (in June/July 2012, in June/July 2013, and in June/July 2014).

The Soum Price Questionnaire has to be filled in for aimag centers and soum centers (not in rural areas). The Soum Price Questionnaire has to be filled out for every month in which household interviews takes place in a given soum. For instance, if household interviews are scheduled to take place in a given soum in June 2012, October 2012, and January 2013 then the Soum Price Questionnaire has to be filled in for this soum in June 2012, October 2012, and January 2013. The Soum Price Questionnaire has to be collected during the first week of each month.

It is important that the survey time schedule is strictly followed. Changing the survey time schedule is not allowed.

Chapter 2: How to interview and how to fill the questionnaire

1. Introduction for enumerators

It is crucial for enumerators to clearly understand the purpose of the interview and the content of the questionnaire. Conducting interviews is a challenging task. The enumerator needs to anticipate possible controversial things. Sometimes the enumerator has to ask difficult questions or ask about sensitive topics. The enumerator should also be prepared to clarify questions to the participants of the survey. This chapter gives you some ideas on how to approach households and how to ask questions. Please study the instructions and advise carefully.

2. Design of the questionnaire

The questionnaire consists of five parts with a total of 24 sections.

Questionnaire part and section		**Unit of observation**	**How to fill in the questionnaire**
ENUMERATOR QUESTIONNAIRE PART I			
	I Household Identification	Household	Fill in 1 row for every household
INDIVIDUAL QUESTIONNAIRE			
	II Household Roster	Individual	Fill in 1 row for every household member
	III Education	Individual	Fill in 1 row for every household member 6 years and older
	IV Health	Individual	Fill in 1 row for every household member
	V Migration	Individual	Fill in 1 row for every household member 18 years and older
	VI Employment	Individual	Fill in 1 row for every household member 10 years and older
HOUSEHOLD QUESTIONNAIRE			
	VII Household Non-Herding Business	Household	Fill in 1 row for every household
	VIII Transfer Income	Household	Fill in 1 row for every household
	IX Other Household Income	Household	Fill in 1 row for every household
	X Remittances and Gifts Received	Household	Fill in 1 row for every household
	XI Remittances and Gifts Sent	Household	Fill in 1 row for every household
	XII Farming	Household	Fill in 1 row for every household
	XIII Livestock	Household	Fill in 1 row for every household
	XIV Herding	Household	Fill in 1 row for every household
	XV Negative Events	Household	Fill in 1 row for every household
	XVI Social Networks	Household	Fill in 1 row for every household
	XVII Subjective Indicators	Household	Fill in 1 row for every household
	XVIII Savings and Loans	Household	Fill in 1 row for every household
	XIX Housing	Household	Fill in 1 row for every household
	XX Energy	Household	Fill in 1 row for every household
	XXI Expenditures and Consumption	Household	Fill in 1 row for every household
	XXII Durables	Household	Fill in 1 row for every household
CHILD QUESTIONNAIRE			
	XXIII Child Anthropometry	Individual children	Fill in 1 row for every child in the household under age 12
ENUMERATOR QUESTIONNAIRE PART II			
	XXIV Final Observations by Enumerator	Household	Fill in 1 row for every household

In the different parts of the questionnaire, the unit of observation is different. In the Household Questionnaire and the Enumerator Questionnaire (Part I and Part II), the unit of observation is the household. This means that all questions asked in these parts refer to the household as a whole. The enumerator has to fill out one row for every household.

In the Individual Questionnaire, the unit of observation is the individual household member. Each question should be asked for every single household member. For instance, if the question is “In what year was a person born?” this question should be asked for every single member of the household. If the household has 6 members, the enumerator has to fill out 6 rows (1 for every member) in the sections of the Individual Questionnaire. Some sections of the Individual Questionnaire should only be asked to household members of certain age. For instance, the section on Education should only be asked to household members who are 6 years of age and older and the section on Migration should only be asked to household members who are 18 years of age and older. At the beginning of each section of the questionnaire form, there are detailed instructions to the enumerator on what persons should be asked.

In the Child Questionnaire, the unit of observations is children of the household under the age 12 years. Each question should be asked for every child in the household under the age of 12 years. If there are 3 children in the household, the enumerator has to fill out 3 rows (1 for every child) in the sections of the Child Questionnaire.

3. How to approach households

Show respect: The information the households share with us is the basis of our research project. Without the help and contribution of the household members we cannot conduct the survey. Be aware of the important role of the contributing households: Be polite and show your respect to the members of the participating households.

Be benevolent and kind: Treat the respondents with a smile, be polite, and avoid arguing in every way. Try to collect true information from the respondents. Always remember that respondents are people with different ideas and different characters. Some of them are sociable. Others need more time to communicate. There can even be cases where it is not possible to build up contact with a household member. However you should not get nervous or irritated.

Make the respondent feel comfortable: The respondent has to feel comfortable to be able to respond honestly. This is particularly important for questions on health, life satisfaction, and for collecting anthropometric data from children (measuring height and arm circumference of children). Taking measurements on individuals can be intrusive and time consuming. The enumerator needs to minimize the discomfort and inconvenience of the measurement. The procedure should have minimal intrusion on the time and privacy of the child and its caretaker.

Introduce yourself and give explanation on the survey: It is very important for your work how you introduce yourself. You also need to explain your work: the study purpose, the types of questions that you will ask, compensation, confidentiality etc. It is also important to announce to the respondent that a compensation of 5,000 Tugrug will be paid for his or her participation in the survey. You can begin as follows:

> *INTRODUCTION "How are you doing? I am [NAME] from [TOWN]. I work for a research project that is conducted by the German Institute for Economic Research and the National Statistical Office of Mongolia. We are here to ask if you will participate in this research. The purpose of the research project is to understand the well-being of households in Western Mongolia and how households are affected by dzud and other negative events. We will analyze the information derived from this survey. This will inform policy makers on how to improve households' resilience against shocks. We hope that the information you give will improve the policy programs for the population. I will ask you some questions about your life, the members of your household, education, health, economic activities, consumption, herding, and experiences of past dzuds. The interview will last about 90 minutes. We would like to visit you two more times in the following three years, in one year and in two years from now."*
>
> *NO BENEFITS: "For the time you are responding to our questions, you will receive a compensation of 5,000 Tugrug. Apart from that there are no direct benefits to households participating in this research."*
>
> *CONFIDENTIALITY: "The officials at the National Statistical Office and the researchers involved in this project will keep all your data strictly confidential, according to the Mongolia Laws on the individual's right to confidentiality and the Law on Statistics."*

Explain the purpose of the survey in a very easy way: The enumerator must clearly understand the purpose of the survey. Only then the enumerator will be able to introduce the survey in a simple way. This is necessary to receive the full cooperation of a respondent.

Express your gratitude: After ending the questionnaire, express your gratitude to the respondents. Pay out the amount of 5,000 Tugrug.

4. How to ask questions

Reading: Please read the questions to the respondents exactly as printed in the questionnaire. Even when you find the answer to a question obvious, you should read every question to the respondent and record the respondent's answer.

> **Example:**
> Wrong question: "Did you consume 4kg of meat last week?"
> Correct question: "How much meat did your household consume last week?"

Ask the questionnaire completely: Nothing from the questionnaire should be left out. Please keep the order of the questions and do not omit any question. There are written instructions on the questionnaire form for the enumerator (*IN ITALICS CAPITAL LETTERS)*. Please follow the instructions.

Record respondent's answer: It is not permitted to reflect your own ideas in the answers. The respondent may respond different as you expected. Do not interrupt the respondent. Ask the next question only after you have listened completely to the answer of a respondent.

5. What person in the household should be asked

In most cases, the head of household is the best person to answer questions in the Household and the Enumerator's Questionnaires (such as questions on household income and herding). Yet, in some cases, it may not be possible to ask questions to the head, as the head may be absent or busy during the interview or may be sick. In such cases, it is also possible to ask the questions to another senior household member (such as the wife of the head) who is well informed about all issues concerning the household.

In the Individual Questionnaire, the enumerator should ask all questions to the individual members directly if they are present during the interview. For instance, questions on the health of each household member should be asked to each person directly. Individual-level questions on children should be answered by senior household members, preferably their mothers.

It is also important to ask information about all absent household members. This includes both persons who are busy during the interview and household members who have been absent from the household for a longer period of time. Individual-level questions (such as questions on education and health) for members who are absent should be answered by the household member who is informed best.

In parts of the questionnaire which should be asked for every household member (Individual Questionnaire and the Child Questionnaire), you should proceed as follows:

1. Check to which household members the section applies. For instance, some sections should only be asked to persons of specific age.

2. Copy the ID Code from the relevant household members from the Household Roster.

3. Ask all questions in the section to the first relevant household member; then ask all questions to the second relevant household member and so on. If one household member is absent, ask the best informed present household member.

6. Time periods used in the survey

Many questions ask about things that happened during a specific time period in the past. Time periods vary in each section, depending on the specific topic of a section. For instance: past 12 months, last month, last week. The enumerator should always be specific about the time period to which a question refers to. It is very important that the respondents understands the time period to which a question relates. Otherwise, the respondent is not able to give a correct answer.

One challenge in the survey is that household interviews are conducted continuously every month. This means that also the reference time period changes every month. Full attention of the enumerator is required to adapt the reference period correctly in each interview.

> **Example:** Imagine the interview takes place in May 2012. Suppose the question is: *"Did the household have any animals in the past 12 months [since MONTH/YEAR]?"* When you read the question to the respondent, you should read: *"Did the household have any animals in the past 12 months, since May 2011?"* So you should replace the term *[MONTH/YEAR]* with the real name of the month and year 12 months ago.

To help the enumerators to refer to the correct time period during the interview, the first page of the questionnaire contains a Lookup table for enumerators. Please fill in this table the time period of the past 12 months so that you can look it up during the interview if needed. Please fill in the Lookup on the morning before you leave for an interview so that you can use your time effectively during the interview.

Time period of past 12 months

From	|_|_|	201|_|	to	|_|_|	201|_|
	month	year		month	Year
	(12 months before the interview)			(the month before the interview)	

A related issue concerns the names of months. Many questions in the questionnaire ask about things that happened 12 months ago, 11 months ago, 10 months ago, 9 months ago etc. When asking questions to the household, the enumerators have to use the real name of the month and year.

> **Example:** Imagine the interview takes place in May 2012. Suppose the question is: "*Did the person work in herding in [12 MONTHS AGO], in [11 MONTHS AGO], in [10 MONTHS AGO], …?*" When you read this question to the respondent, you should read: "*Did the person work in herding in May 2011, in June 2011, in July 2011, …?*" So you should replace the term [x MONTHS AGO] with the real name of the month and year.

Again, there is a Lookup table for enumerators on the first page of the questionnaire which helps the enumerators to identify the correct names of months. Please fill in this table the names of months and year so that you can look it up during the interview if needed. Please fill in the Lookup on the morning before you leave for an interview so that you can use your time effectively during the interview. 1 month ago refers to the month before the interview takes place.

X Months Ago

Asked in Questionnaire	Month	Year
12 months ago		201|_|
11 months ago		201|_|
10 months ago		201|_|

9 months ago		201|_|
8 months ago		201|_|
7 months ago		201|_|
6 months ago		201|_|
5 months ago		201|_|
4 months ago		201|_|
3 months ago		201|_|
2 months ago		201|_|
1 month ago		201|_|

7. What to do if none of the answer codes fit

It may be the case that none of the answer codes printed in the questionnaire fit to the answer of the respondents. In this case, the enumerator should use the "Other (specify)" answer code. Usually, the "Other (specify)" answer code is included as the last possible answer code. If you chose the "Other (specify)" answer code, please both print the code of this answer option in the questionnaire and write down in words the respondent's reply behind the code. This helps us to improve the questionnaire. That way, we can include more/better coded answers in the second round of the survey. In case that the answer code to specific question does not include "Other (specify), please choose the code which fits the respondent's answer best.

Please follow the instructions printed in the questionnaire closely.

Question	What to do if none of the answer codes fit
In your own experience, how likely is it that you will be affected by a dzud in the winter 2012/2013? *ASK ONLY IF HOUSEHOLD OWNS LIVESTOCK*	If a household does not own any livestock, leave the answer cell blank.
What religion does [NAME] follow? 1=Buddhist 2=Shamanism (buugiin shashin) 3=Christian 4=Muslim 5=no religion 6=other (specify)	If a person follows Hinduism, write code "6" in the answer cell and also write "Hinduism".
How much has your household spent in the current school year on transport cost for [NAME]'s education? *IF NO COSTS WRITE 0*	If a person walks to school and does not have any transportation costs related to education, write "0" in the answer cell.
What is the marital status of [NAME]? *ASK MEMBERS AGED 16 AND OLDER*	If a person is 15 years old, leave the answer cell blank.
Where is the school located (write name of Aimag and name of Soum)? *IF ABROAD WRITE 99*	If a person studies in Japan, write "99" in the answer cell.

8. Skipping patterns

Some sections of the questionnaire do not apply to every household. For instance, if a household lives in an aimag center and does not have any livestock, the Livestock section does not apply to this household. In this case, the enumerator should only fill out the filter question (which is usually the first question in each section) and follow the instructions to skip to the next question of section printed in the questionnaires. It is very important that the enumerator completely understands the skipping patterns used in the questionnaire form (indicated by →).

Skipping patterns	
→Q5	Skip to question 5 (in same section)
→XV.7	Skip to subsection XV.7 (in same section)
→NEXT SECTION	Skip to the next section

9. What to do if the respondent does not know an answer

In some cases, a respondent may refuse to answer to a specific question. For instance, a respondent may find a question difficult to answer or he/she may not remember an event from the past correctly. In such cases, the enumerator should ask the question again, give the respondent time to think about the question, and encourage the respondent to provide an answer. The enumerator may also ensure the respondent that there is no “wrong” answer and that the respondent should not be shy to provide an estimate if he cannot remember an event correctly. It is better to get a rough estimate from the respondent than leaving a question blank altogether.

10. Once the interview is completed

One common error in collecting household surveys is that some questions or sections are mistakenly not filled out. This causes missing data and reduces the quality of the data. To prevent such missing answers, the enumerators should apply two checks:

1. **Immediately after completing the questionnaire:** While the enumerator is still in the respondent’s ger or dwelling, the enumerator should check the completeness and consistency of the answers to the questionnaire. Make sure that you check every page of the questionnaire to prevent any possible mistakes before you leave the household. If you discover that any sections and questions were missed during the interview, please ask these sections or questions before your leave. Make sure the GPS coordinates are recorded in the questionnaire and saved in the GPS device.

2. **On the evening of the interview:** After returning from an interview, the enumerator should go through the entire questionnaire again and make sure all answers are filled in properly and are readable. All area, business and job codes should be filled out. For instance, during the interview only the names of aimags and soums should be written in the answer cells. In the evening, the enumerator should now look up and fill in the codes of aimags and soums. It is important that the enumerator should do this on the same day the interview took place, because the enumerator may still remember the interview very well.

3. **The next day**: The team supervisor should go over the questionnaire and conduct a quality check: Do all questions have plausible answers? Are there any obvious mistakes? Are there any sections or questions with missing information? It is important that the supervisor goes over the questionnaire as soon as possible (preferably on the same or the next day).

In case that either the enumerator or the team supervisor find any answers to be missing or wrong, the enumerator has to go back to the household and ask the respective questions again.

11. Bonus to the best field team

The quality of the data – and the success of the whole project – depends to a large degree on the enumerators and their efforts to obtain correct and complete answers from the respondents.

To acknowledge these efforts, a bonus of 300 Euro will be paid to the best field team (consisting of three interviewers and one supervisor) for their performance in collecting data. The bonus will be paid in addition to the normal wages of the field staff. Each field team should split the bonus equally among themselves.

12. Checklist: Enumerator field materials

The following checklist includes the equipment and materials enumerators should have with them in the field.

- Maps of the EA (including bordering EA’s) and of the Soum
- Questionnaire form
- Pen
- Calculator
- GPS device and charged batteries
- Food stamps to show to households
- Anthropometric kit (electronic scale, length/height board, measuring tape)
- This manual
- 5,000 Tugrug in cash to pay the compensation to the household

Chapter 3: Question-specific instructions for the enumerator

This chapter gives detailed information on every question included in the questionnaire. It will help you to better understand the aim of each question. This chapter is structured as is the questionnaire. The numbering of questions and sections in this chapter of the manual is also identical to the numbering used in the questionnaire.

ENUMERATOR QUESTIONNAIRE PART I

This part of the questionnaire refers to the household as a whole.

I Household Identification

This section is the most important one in the whole questionnaire: It records the household's contact information and location. Remember that we interview each households 3 times in 3 following years. It will be a challenge for the enumerators and supervisors to find the households in the second and third wave of the survey. This may be particularly difficult for herding households, who may conduct nomadic movements or leave rural areas altogether and settle in soum or aimag centers. Therefore, it is very important that the enumerators collect very detailed and correct information on the location of households. It is not allowed that any answer in this section is missing. In case there is any missing information in this section, the enumerator has to approach a new household in the same EA.

I.1 Household Location

Question 1: *Aimag name and aimag code.* During the interview only the name of the aimag should be written in the answer cells.

Question 2: *Strata.* Write down the appropriate answer code.

Question 3: *Soum name and soum code.* During the interview only the name of the soum should be written in the answer cells.

Question 4: *Bag name.* Write down the bag name.

Question 5: *Enumeration Area (EA) Code.* Write down the appropriate answer code. The EA code is obtained from the list provided by the NSO. In case an enumerator does not find 8 households in a given EA, the enumerator has to contact the NSO project manager at the NSO headquarter in UB and ask for advice. The NSO project manager will decide where the enumerator has to conduct the remaining interviews. In this case, the enumerator writes 99 during the interview.

Question 7: *Name of head.* Write down the full name.

I.2 Campsites of Herding Households

Question 1: *Is this a herding household who is regularly moving campsites.* This is a filter question: Move on to section I.4 if this is not a herding household moving campsites.

Questions 2-5: *Location of winter, spring, summer, and fall campsite.* Write down the location of the household's campsites. This may help you finding the campsite of the household in winter, spring, summer, and fall. For instance, you can describe landmarks or landscapes that are located nearby. Try to be as detailed as possible. This information is very important and will help you to find the household in the second and third wave. Even if the household does not use 4 different campsites, write down where the household stays in the four seasons.

Question 6: *Household currently camps alone or with other households.* Camping with other households includes khot ail or sharing the campsite with a patron or hired herder. If several households share one campsite, the enumerator has to conduct interviews with all households in the campsite.

Question 7: *Number of households in campsite.* Write down the total number of households sharing the same campsite. Include the household you currently conduct the interview with in the counting. Enumerators have to conduct interviews with all households in a campsite (except when no responder was at home or the head refused to be interviewed).

I.3 Households in this Khot Ail

Ask this section only to rural herding households living in Khot Ails. In this section, each row represents one household living in this khot ail (Column 1: Households in this khot ail).

Question 2: *Name of head of each household in campsite.* Write down the full name of each of the head of the other households sharing the same campsite.

Question 3: *Was household interviewed.* Enumerators have to conduct interviews with each household in the campsite. This question has to be filled out after completing all interviews with this khot ail. A separate questionnaire form has to be filled out for each household.

Question 4: *Reason for not conducting interview*. Indicate why a household in this campsite was not interviewed.

I.4 Date and Starting Time of Interview

In this section, each row represents each interview visit (Column 1: Visit Code).

Question 2: *Date of interview.* Write down the day, month, and year the interview takes place.

Question 3: *Begin of interview.* Write down the hour and minute when the interview starts.

I.5 Project Team

Questions 1-2: *Enumerator name and ID.* Write down the full name and ID of the enumerator.

Questions 3-4: *Supervisor name and ID.* Write down the full name and ID of the team supervisor.

Questions 5-6: *Data entry operator name and ID.* Write down the full name and ID of the data entry operator.

I.6 Households Who Refused Interview

Ask this section only to households who refused to be interviewed.

Question 1: *Age of head.* Try to estimate roughly the age of the head based on your personal judgment. If no estimate is possible, write 99.

Question 2: *Household size.* Try to estimate roughly the size of the household based on your personal judgment. If no estimate is possible, write 99.

Question 3: *Ethnic affiliation.* Try to guess what the ethnic affiliation of the head of household is based on your personal judgment. If no estimate is possible, write 99.

Question 4: *Number of animals.* Try to estimate roughly the number of animals the household owns based on your personal judgment. If no estimate is possible, write 99.

Question 5: *Wealth status.* Try to guess what the wealth status of the household is based on your personal judgment. If no estimate is possible, write 99.

INDIVIDUAL QUESTIONNAIRE

Questions in this part of the questionnaire should be asked to every household member. If a person is not present during the interview, ask the household head (or another senior household member who knows the absent person well) to give information about the absent person.

II Household Roster

This section refers to all household members. Read out the following to the household:

> "Now I would like to ask some information about people who usually live in your household (who usually sleep in the same place and eat from the same pot as you). Please also list people who are household members but who do not live in the household at present. Which person is the head of this household?"
>
> **Definition:** The **Head of household** is a person who is aged 15 or older, who is acknowledged as the head by the other household members, who plays the main role in organizing others and bear full responsibility for household problems, who makes the major decisions in terms of household finance, and who know the other household members well.

Question 2: *Name.* Write down the name of every single household member. Begin with the head of household. Use one row for every member. Every household member is assigned one single and unique ID Code (Column 1), which is used in the different sections of the questionnaire. ID codes of the household members which are assigned with this question, will remain permanent throughout the survey and represent the household members.

Question 3: *Relationship to head of the household*. Ask for every single member how the person is related to the head of household. This question checks if all the members are covered, and is important for controlling the completeness of the following questions. Please make sure, the central person is the head and think about the relationship from this person to all other household members when answering this question.

Question 4: *Sex*. Ask each household member's sex and write down the appropriate answer code.

Question 5: *Year of birth*. Write down the year of birth of every household member and write down a 4-digit number (for example, 1955).

Question 6: *Age*. Write down the current age in full years of every member. For example, for a child aged 10 months write 0; for a child aged 16 months write 1. Give particular attention to the age of children. If in doubt, ask to see birth certificates or other official documents.

Question 7: *Father alive*. Ask for every member of the household if his/her father is still alive.

Question 8: *Mother alive*. Ask for every member of the household if his/her mother is still alive.

Question 9: *Marital status*. For every household member of age 16 and older write down the appropriate code. The answer code "never married" refers to persons who are single or bachelor. "Married and had marriage registered" refers to persons who have registered their marriage legally. "Married without having marriage registered" refers to persons who are married but have not legally registered the marriage. "Separated" refers to persons who live separately from their former partner but who did not file for a divorce legally. Persons who's partner is currently absent (for example, for work, travel, or in prison) should not be included in this category. "Divorced" refers to persons who got a legal divorce from their former wife/husband. "Widowed" refers to persons who lost their wife/husband and who do not live in a new marriage.

Question 10: *Absence from household in the past month*. This question asks whether a person has been absent from the household for one day or more during the past month. If the answer is no (2), move on to Q12.

Question 11: *Number of days absent*. Calculate the total number of days a person was away from the household in the month before the interview. For example, if the person has been away for 2 days at the beginning of last month and again 1 day at the end of the month, the answer is 3.

Question 12: *Was person away for more than 1 month during the past 12 months?* This means being away for more than 1 month at a time. For example, if a person was away from the household for 3 weeks, the answer is no (2).

Question 13: *Number of months away from the household*. Calculate the total number of months a person was away from the household in the past 12 months before the interview. For example, if the interview takes place in May 2012 and the person was away from the household in May 2011 and in August, September, and October 2011, the answer is 4. If a person was away from the household for 6 weeks, the answer is 1.

Question 14: *Ethnic affiliation*. If the answer codes do not fit the respondent's reply, fill in answer code 7 ("other") and write down the person's ethnic affiliation in the answer cell. For instance, if a person is Han Chinese, write 7 and "Han Chinese".

Question 15: *Religion*. If the answer codes do not fit the respondent's reply, fill in answer code 6 ("other") and write down the person's religion in the answer cell. For instance, if a person follows Hinduism, write 6 and "Hinduism".

Question 16: *Household size*. This is a control question. Please ask the household again how many people usually live in the household. The total number of household members should also include the household head. Compare the answer to the number of names on the list. Clarify if the number of household members in the roster does not match the answer.

III Education

Every household member should be asked questions in this section. If a person is not present, ask the household head (or somebody of the household who knows the absent person well) about the education of the absent person.

III.1 Education roster

This section refers to members 6 years and older.

Column 1: *ID codes of household members 6 years and older.* Copy the ID codes of all household members who are 6 years and older from the Household Roster into the first column. Make sure you write down the actual ID numbers of the household members. For example, if household members with ID codes 01, 02, and 04 are older than 6 years old, then fill in 01, 02 and 04 in the first three rows of column 1.

Questions 2: *Attending school in the current school year.* Persons who are currently attending school or having a break from school are considered as attending school. Ask this question to persons aged 6 to 29 years.

Question 3: *Ever attended school.* Persons who have ever attended school (also if school was not completed) are considered as ever attended school. Ask this question to all household members.

Question 4: *Highest certificate/qualification.* The highest education level is determined by the highest completed qualification. For instance, someone completed secondary education in 1991 and graduated later in 1998 with a bachelor's degree. In this case, his education level is 8=bachelor.

Question 5: *Reason for never attended school.* Read out the question and choose the answer code which fits the respondent's answer best. If respondent gives several answers, ask for the main reason for not having attended school.

Question 6: *Literacy.* Persons who can read without any difficulty are literate. If the person responding does not understand the question, ask "Can you read a letter?".

III.2 Education expenses

This section refers to members between 6 and 29 years who are currently in school.

Column 1: *ID codes of household members 6 to 29 years who are currently in school.* Copy the ID codes of all household members who are between 6 and 29 years and who are currently in school from the Household Roster.

Question 2: *Public or private school.* Write down whether the ownership of the school is public or private.

Question 3: *Grade currently enrollment.* Write down the school type (Q3a) and the grade (Q3b). If none of the school types 1-3 apply, use code 4 (“Other”) and specify the school type.

Question 5: *Education expenditures.* This question contains 4 sub-questions (5a to 5d) about the total costs for the full school year. Ask for each specific expense type separately. If the payments are made in kind (meat or animals), estimate the value of the goods. If the household did not make any payments for an expense type, write 0. Sub-question 5a and 5d includes only net fees which are directly paid by the household. For example, fees which have not to be paid as of the Education Support Service are excluded.

Question 6: *Education Support Service.* Ask whether the person receives education support from the Education Support Service. For instance, this may include reduced rates for stationary, text books or school uniforms.

Question 7: *Other student scholarship.* Ask whether the person receives any other form of scholarship.

Question 8: *Difficulties in paying.* Read out the question and all answer options. The respondent is asked to provide an answer on a scale from 1 (no difficulties) to 5 (very large difficulties). Fill in the choice of the respondent.

IV Health

Every household member should be directly asked the questions in this section. If a person is not present ask the household head or another senior member of the household about the health conditions of the absent person. Parents or caretaker may give information on their children.

Be aware that some of the questions in this section are very personal. Try to make the respondent feel comfortable. If you feel that the person is uncomfortable with responding in front of other household members, ask the questions in private, if this is possible.

IV.1 Health General

This section refers to all household members.

Column 1: *ID codes of all household members.* Copy the ID codes of all household members from the Household Roster into the first column. Make sure you write down the actual ID numbers of the household members.

Question 2: *Person responds himself/herself*. Indicate whether person is responding him/herself.

Question 3: *Mental or physical disabilities.* Ask very sensitively whether person has any serious mental or physical disabilities. If a person’s “disability” is clearly known, record the answer without asking the question.

> **Definition:** Persons with disabilities include those who have long-term physical (speaking, seeing, hearing), mental, intellectual or sensory impairments which in interaction with various barriers may hinder their full and effective participation in society on an equal basis with others.

Question 4: *Health problems last month.* Ask whether person had any health problems in the last month before the interview.

Question 5: *Missing of daily activities last month.* Ask how many days the person was unable to participate in daily activities (for instance, work, domestic work or school) because of poor health. If no activities missed, write 0.

Question 6: *Health insurance.* Ask the person whether she/he is covered by health insurance. Note that a retired or less than 16 years old member should be covered because in this case health insurance is paid by the Government.

Question 7: *Who pays for health insurance.* Ask the member who pays for the health insurance and write down the corresponding answer code. In case of a person retired or less than 16 years old member whose health insurance is paid by the Government, write down Code 4.

Question 8: *Reason for not being insured*. Read out the question and choose the answer code which fits the respondent's answer best. If respondent gives several answers, ask for the main reason for not being insured. If none of the answer codes fits to the respondent's answer, choose code 7 and specify briefly.

IV.2 Health Expenses

Q9 and Q10 refer to outpatient visits.

Question 9: *Treatment at health facility/local healer*. Write down whether the person has sought outpatient treatment at a health facility or a traditional healer last month.

Question 10: *Amount of payment for outpatient treatment*. Write down the total amount the household spend on the treatment. This includes all costs related to the outpatient visit, e.g. formal and informal payments, transportation, and any gifts.

Q11 and Q12 refer to medicine bought.

Question 11: *Purchase of medicine*. Write down whether the household has bought any medicine (both with and without prescription) for the household member last month.

Question 12: *Amount of payment for medicine*. Write down the total amount the household spend on medicine. This includes all costs for medicine both with and without prescription.

Q13 to Q16 refer to hospital visits.

Question 13: *Hospital stay*. Write down whether the person has stayed at a public or private hospital or clinic overnight during the past 12 months.

Question 14: *Public or private hospital.* Write down whether the ownership of the hospital is public or private.

Question 15: *Location of hospital*. Ask the location of the hospital and write down the corresponding answer code. If the hospital was abroad, write 99.

Question 16: *Amount of payment for hospital treatment*. Write down the total amount the household spend on the hospital treatment in the past 12 months. This includes all costs related to the hospital or clinic, e.g. formal and informal payments, transportation, and gifts.

V Migration

Every household member 18 years and older should be asked the following questions. If a person is not present ask the household head or another senior person in the household.

In this section, please do NOT consider seasonal nomadic movement or migration within a soum. Only consider movements to places where the persons lived for more than one year.

Column 1: *ID codes of all household members 18 years and older*. Copy the ID codes of all household members 18 years and older from the Household Roster. Make sure you write down the actual ID numbers of household members older than 18. For example household members with ID codes 01, 02, and 04 are older than 18 years old, then fill in 01, 02 and 04 in the first three rows of column 1.

Question 3: *Living in this soum for whole life.* Ask whether the household member has ever lived in this soum for his/her whole lifer. Seasonal nomadic movements do not count as living in another soum.

Question 4: *Reason to come to this soum*. Read out the question and choose the answer code which fits the respondent's answer best. In general, if respondent gives several answers, ask for the main reason for coming here to this soum. However, if respondent gives several reasons and dzud was one of them, always choose dzud (category 1). If none of the categories 1-8 apply, use code 9 and specify the reason to come here.

Question 5: *Year moving to this soum*. Ask when person moved to this soum or when the person came back to this soum and write the year in four-digits (for example, 2010).

Question 8: *Movement caused by 2009/2010 dzud.* Ask whether the person moved because of the 2009/2010 dzud to another soum for more than one year. Do not consider seasonal nomadic movements.

VI Employment

Every household member 10 years and older should be asked the following questions. If a person is not present, ask the household head (or somebody of the household who knows the absent person well) about the employment situation of the absent person. The whole section has to be filled out for each household member, even if the member was absent for long time periods over the year.

VI.1 Employment last week

This section refers to all household members 10 years and older. The time horizon is the last week before the interview.

Column 1: *ID codes of all household members 10 years and older*. Copy the ID codes of all household members 10 years and older from the Household Roster into the first column. Make sure you write down the actual ID numbers of the household members. For example household members with ID codes 01, 02, and 04 are 10 years or older, then fill in 01, 02 and 04 in the first three rows of column 1.

Question 2: *Any work last week.* This question refers to any kind of employment last week. Consider any kind of work, both in herding and non-herding activities. Consider both work in the household or outside the household (for example for another person, a company, or the government).

Question 3: *Permanent job last week.* Ask whether the person has a permanent job although he/she did not work in this job in the past 7 days. A permanent job, as opposed to a temporary job, is a job where the person is working on a regular, continuing basis. Consider both work in the household or outside the household (for example, for another person, a company, or the government). In case of students or retired household members, choose code 2, and continue with Q5 and Q6.

Question 4: *Reason for not working last week.* Read out the question and choose the answer code which fits the respondent's answer best. If none of the answer codes fit to the respondent's answer, choose category 5 and explain.

Question 5: *Looking for work last week.* Ask whether person has actively looked for work last week. This may include writing applications, calling people to get information about jobs, and doing job interviews.

Question 6: *Main reason for not looking for work last week.* Read out the question and choose the answer code which fits the respondent's answer best. If none of the categories 1-7 apply, use code 8 and specify the reason for not looking for work.

VI.2 Employment Filter

This section refers to all household members 10 years and older. The time horizon is the past 12 months before the interview.

Column 1: *ID codes of all household members 10 years and older.* Copy the ID codes of all household members 10 years and older from the Household Roster into the first column.

Question 2: *Work in herding activities in the past 12 months.* Ask whether the household member was involved in herding activities in the past 12 months. For this question, it does not matter whether he/she worked for his/her own household or for another herder or a cooperative as hired herder.

Question 3: *Herding inside or outside household.* This question asks about the employer in the person's herding activities. Ask whether he/she worked for the household OR as hired herder for somebody outside the household (for example for another herder or a cooperative). In case the household member worked in herding in the past 12 months both inside and outside the household, choose category 3.

Question 4: *Non-herding activities in the past 12 months.* Ask whether the person was involved in any kind of work other than herding in the past 12 months. This could be farming, or any non-agricultural activity, such as having a business, or working in mining.

Question 5: *Non-herding activities inside or outside household.* This questions asks about the employer in the person's non-herding activities. Ask whether the person worked for the household or himself, or in a wage job for somebody outside the household, e.g. another person, a company, or the government. In a wage job, the person receives a regular compensation (in cash or in kind) from her/his employer. In case the household member worked in non-herding activities both inside and outside the household, choose category 3.

Column 6-9: *ENUMERATOR: Filter questions for enumerators.* These questions are answered by the enumerator. The enumerator needs to check the answers to Q2 to Q5 in order to answer Q6 to Q9. The answers to these questions will be needed later in the employment section.

VI.3 Working in Herding for the Household

This section refers to household members age 10 and older who did herding for the household in the past 12 months before the interview.

Column 1: *ID codes of all household members 10 years and older doing herding for the household.* Copy the ID codes of all household members from the employment filter (section VI.2) with Q6=yes into the first column.

The following questions Q2 to Q5 refer to any work done in herding for the household or for the person himself, regardless if the person did other work at the same time.

Question 2: *Every month or some months in herding.* Ask whether person worked every month or only some months in herding for the household or himself/herself in the past 12 months.

Question 3: *Months worked in herding.* Ask for every month of the past year separately, whether the person worked in herding. This question refers to any work done in herding for the household, regardless if the person did any other kind of work at the same time. When asking this question replace "X MONTHS AGO" with the real name of the month and year. Please refer to the "Lookup X Months Ago" at the beginning of the questionnaire. Write 1 in the cell for the month in which the person worked for the household's herding business. If the person did not work in one month, leave the cell blank.

Example: Imagine the interview takes place in June 2012. Then the corresponding month and year when asking question 3a is June 2011, Q3b July 2011, and so on until Q3l with May 2012.

Question 4: *Days worked in herding.* Write down how many days the person worked in herding for the household last week. It does not matter how many hours the person worked every day. If the person did not work at all, record "0" for zero days worked in herding.

Question 5: *Hours worked in herding.* Write down the number of hours the person worked in herding on an average day. Make sure the answer does not exceed 18 hours; sleeping does not count as work.

VI.4 Working as Hired Herder for Someone Outside the Household

This section refers to household members age 10 and older who worked as hired herder for someone outside the household in the past 12 months.

Column 1: *ID codes of all household members 10 years and older herding for the household.* Copy the ID codes of all household members from the employment filter (section VI.2) with Q7=yes into the first column.

The following questions Q2 to Q6 refer to any work as hired herder outside the household, regardless if the person did other work at the same time.

Question 2: *Number of employers.* Write down how many different employers the household member had as hired herder during the past 12 months.

Question 3: *Every month or some months as hired herder.* Ask whether person worked every month or only some months as hired herder for someone outside the household in the past 12 months.

Question 4: *Months worked as hired herder.* Ask for every month of the past year separately, whether the person worked as hired herder. When asking this question replace "X MONTHS AGO" with the real name of the month and year. Please refer to the "Lookup X Months Ago" at the beginning of the questionnaire. Write 1 in the cell for the month in which the person worked as hired herder. If the person did not work as hired herder in one month, leave the cell blank.

Example: Imagine the interview takes place in June 2012. Then the corresponding month and year when asking question 3a is June 2011, Q3b July 2011, and so on until Q3l with May 2012.

Question 5: *Days worked as hired herder.* Write down how many days the person worked as hired herder last week. It does not matter how many hours the person worked every day. If the person did not work at all as hired herder, record "0" for zero days worked in herding.

Question 6: *Hours worked as hired herder.* Write down the number of hours the person worked in herding on an average day. Make sure the answer does not exceed 18 hours, sleeping does not count as work.

The following questions Q7 to Q12 refer to the <u>current</u> job of the person. If the person does not currently work as hired herder, refer to his/her last job as hired herder.

Question 7: *Amount of payment.* Ask the amount of pay the household member receives. Write down the amount of cash (in Tugrug) in the column Q7a. For payments in the form of animals, record the number of animal received depending on the kind of animals in the columns of Q7b1. to Q7b5.

Question 8: *Frequency of payments*. Read out the question and choose the answer code which fits the respondent's answer. Payments can be either in cash or in kind. If none of the frequencies 1-3 apply, use answer code 4 and specify the frequency of payment.

Question 9: *Payment in food***.** Read out the question and all answer options and fill in the choice of the respondent.

Question 10: *Payment in clothes***.** Read out the question and all answer options and fill in the choice of the respondent.

Question 11: *Relation to employer.* Read out the question and all answer options and fill in the choice of the respondent.

Question 12: *Other family members.* Ask whether person moved to the employer alone or whether he/she brought other family members along.

VI.5 Activities in the Household Non-Herding Business

This section refers to household members age 10 and older who worked in the household's non-herding business in the past 12 months.

Column 1: *ID codes of all household members 10 years and older working in the household's non-herding business.* Copy the ID codes of all household members from the employment filter (section VI.2) with Q8=yes into the first column.

The following questions Q2 to Q5 refer to any work done in the household's non-herding business in the past 12 months, regardless if the person did other work at the same time.

Question 2: *Kind of activity.* Ask about the person's kind of activity in the household's non-herding business in the past 12 months and describe the business briefly in sub-question 2a during the interview.

Question 3: *Every month or some months in household non-herding business.* Ask whether the person worked every month or only some months in the household non-herding business in the past 12 months.

Question 4: *Months worked in household non-herding business.* Ask for every month of the past year separately, whether the person worked in the household's non-herding business.

When asking this question replace "X MONTHS AGO" with the real name of the month and year. Please refer to the "Lookup X Months Ago" at the beginning of the questionnaire. Write 1 in the cell for the month in which the person worked in the household's non-herding business. If the person did not work in the household's non-herding business in one month, leave the cell blank.

> **Example:** Imagine the interview takes place in June 2012. Then the corresponding month and year when asking question 3a is June 2011, Q3b July 2011, and so on until Q3l with May 2012.

Question 5: *Days worked in household non-herding business.* Write down how many days the person worked in this business last week. It does not matter how many hours the person worked every day. If the person did not work at all, record "0" for zero days worked in the household's non-herding business.

Question 6: *Hours worked in household non-herding business.* Write down the number of hours the person worked in this business on an average day. Make sure the answer does not exceed 18 hours; sleeping does not count as work.

VI.6 Working in Non-Herding Wage Job for Someone Outside the Household

This section refers to household members age 10 and older who worked in a non-herding job for someone outside the household in the past 12 months.

Column 1: *ID codes of all household members 10 years and older working in a non-herding wage job.* Copy the ID codes of all household members from the employment filter (section VI.2) with Q9=yes into the first column.

The following questions Q2 to Q7 refer to any non-herding wage job outside the household regardless if the person did any other kind of work at the same time.

Question 2: *Kind of wage job.* Ask about the person's kind of main wage job in the past 12 months and describe the job briefly in sub-question 2a during the interview.

Question 3: *Number of wage jobs.* Ask the number of different non-herding wage jobs the household member had during the past 12 months. A different job could be either a job with a different employer or a different job type.

Question 4: *Every month or some months in wage job.* Ask whether person worked every month or only some months in non-herding wage jobs in the past 12 months.

Question 5: *Months worked in wage job.* Ask for every month of the past year separately, whether the person worked in non-herding wage jobs. Months in which the household member took paid vacation, count as work. When asking this question replace "X MONTHS AGO" with the real name of the month and year. Please refer to the "Lookup X Months Ago" at the beginning of the questionnaire. Write 1 in the cell for the month in which the person worked in non-herding wage jobs. If the person did not work in non-herding wage jobs in one month, leave the cell blank.

> **Example:** Imagine the interview takes place in June 2012. Then the corresponding month and year when asking question 3a is June 2011, Q3b July 2011, and so on until Q3l with May 2012.

Question 6: *Days worked in wage job.* Write down how many days the person worked in his/her current non-herding wage job last week. It does not matter how many hours the person worked every day. If the person did not work at all, record "0" for zero days worked in the household's non-herding business.

Question 7: *Hours worked in wage job.* Write down the number of hours the person worked in his/her current wage job on an average day. Make sure the answer does not exceed 18 hours; sleeping does not count as work.

The following questions Q8 to Q12 refer to current main wage job. If person does not currently have a wage job, refer to her/his last job.

Question 8: *Employer.* Ask about the person's employer for his/her current main job and write down the answer code which fits best.

Question 9: *Employment Contract.* Ask if the employed person has an employment contract. The contract should be written and can include a permanent or a fixed-term/temporary agreement.

Question 10: *Payment.* Ask whether the person received any payment for his/her non-herding wage-job in the past 12 months.

Question 11: *Value of Payment.* In sub-question 11a, write down the amount of regular pay (excl. bonuses and special pay) that the household member receives (in Tugrug). In sub-question 11b, ask for the usual frequency of payment and choose the corresponding answer option. If none of the categories 1-3 apply, use code 4 and specify the frequency.

Question 12: *Bonuses and special payments.* In sub-question 12a, write down the amount of pay, bonuses and special pay that the household member receives (in Tugrug). In sub-question 12b, ask for the usual frequency of payment and choose the corresponding answer option. If none of the categories 1-3 apply, use code 4 and specify the frequency. If the person did not receive any bonuses or special payments, write 0.

HOUSEHOLD QUESTIONNAIRE

This part of the questionnaire refers to the household as a whole. Only one household member (usually the head or the member who is best informed about household activities and the financial situation) is required to give information. Most sections start with a filter question. The filter questions are designed to determine if the individual answering the question needs to continue answering all subsequent questions or subsections.

VII Household Non-Herding Business

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on the household's non-herding business.

VII.1 Filter Question

Question 1: *Non-herding business.* Ask whether anyone in the household operates a non-herding business which produces goods or services. Check the employment filter in section VI.2 whether for any household member Q8=yes.

VII.2 Income from Non-herding Business

In this section, each row represents a separate business (Column 1: Business Code). The business code identifies the number of businesses run by the household. For example, if a household operates a bakery and a taxi, two rows should be filled out (one for every business).

Question 2: *Business sector.* Ask about in what sector the household business operates and describe briefly in 2a during the interview.

Question 3: *Registration.* Ask the household member whether the business is formally registered.

Question 4: *Profits each month.* Ask whether the profit of the business was low (=1), average (=2), high (=3) in every month in the past 12 months. If the business did not operate in a particular month, write 0=none (business not in operation) in that month. While asking this question, replace "X MONTHS AGO" with the real name of the month and year.

> **Example:** Imagine the interview takes place in June 2012. Then the corresponding month and year when asking question 4a is June 2011, Q4b July 2011, and so on until Q4l with May 2012.
>
> **Definition:** Profit is the net income from the business. It is the total revenues after deducting all costs.

Question 5: *Low profit.* Write down the total profit (in Tugrug) derived from this business in a low profit month.

Question 6: *Average profit.* Write down the total profit (in Tugrug) derived from this business in an average profit month.

Question 7: *High profit.* Write down the total profit (in Tugrug) derived from this business in a high profit month.

Question 8: *ENUMERATOR:* Write the ID code of the person answering (most of) this section.

VIII Transfer Income

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on the transfer income received by the household.

VIII.1 Food Stamps, Social Welfare and Medicard

Question 1: *Having heard about food stamps.* Ask whether the respondent knows of the food stamps program. Show an example food stamp to the household.

Question 2: *Receiving food stamps.* Ask if the household has ever received food stamps either in paper or electronic version.

Question 3: *Last time receiving food stamps.* Write down the month and the year when the household received food stamps the last time.

Question 4: *Value of food stamps.* Write down the cash value (in Tugrug) of the food stamps paid last time.

Question 5: *Having heard about Social Welfare Assistance program.* Ask whether the respondent knows of the Social Welfare Assistance program.

Question 6: *Receiving social welfare assistance.* Ask if the household has ever received assistance from the Social Welfare Assistance program.

Question 7: *Last time receiving assistance.* Write down the month and the year when the household received the last time assistance from the Social Welfare Assistance program.

Question 8: *Value of social welfare assistance.* Write down the cash value (in tugrug) the household received as social welfare assistance last time.

Question 9: *Having heard about Medicard program.* Ask whether the respondent knows of the Medicard Program.

Question 10: *Participation in Medicard program.* Ask whether the household has ever participated in the Medicard Program.

Question 11: *Current Participation in Medicard program.* Ask whether the household is currently participating in the Medicard Program.

Question 12: *ENUMERATOR:* Write the ID code of the person answering this section.

VIII.2 Other Transfer Income

In this section, each row represents a transfer income type (Column 1: Transfer Income Code).

Question 2: *Receiving assistance.* Ask whether the household or any single member received a given transfer income type in the past 12 months. Replace "IN THE PAST 12 MONTHS" with the real name of the month and the year. Please refer to the "Lookup Xmonths ago" at the beginning of the questionnaire.

Question 3: *Amount of assistance.* In sub-question 3a, write down the amount of assistance (in Tugrug) the household received last time for each transfer income type. In sub-question 3b, ask for the usual frequency of payment and choose the corresponding answer option. If none of the categories 1-5 apply, use code 6 and specify the frequency. This question refers to the net amount of assistance paid out to the household, e.g. after deducting bank and other fees.

IX Other Household Income

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on other income received by the household.

IX.1 Filter Question Other Income

Question 1: *Inheritances.* Ask whether household received any inheritance in the past 12 months.

Question 2: *Amount of inheritances in animals.* Write down the number of animals (by type of animal) the household received as inheritance in the past 12 months. If the household did not receive any livestock as inheritance, write 0.

Question 3: *Amount of inheritances in cash or goods.* Write down the value of inheritance (in Tugrug) the household received in cash or goods, excluding livestock, in the past 12 months. If goods were inherited estimate the equivalent value in Tugrug. If the household did not receive any cash or goods as inheritance, write 0.

Question 4: *Renting out assets.* This is a filter question: Ask if the household received any other income from renting out assets in the past 12 months. Assets include apartments, gers, tools and equipment, and vehicles.

IX.2 Other Income

In this section, each row represents a type of income generated through renting out assets (Column 1: Other Income Code).

Question 2: *Amount of rent.* Ask the amount of rent the household received from renting out the different income types (see Column 1) in the past 12 months.

In sub-question 2a, write down the amount of cash (in Tugrug) received. In sub-question 2b, write down the number of animals (by type of animal) the household received in the past 12 months. If the household did not receive any livestock, write 0.

If the household received rent from more than one type, write down the total value for every income type.

> **Example:** The household rented out 2 gers. Summarize the total rent of both gers in the past 12 months and write down the total value in the first row (apartment or gers) in answer cell Q2a.

X Remittances Received

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on remittances and/or gifts received. This section does NOT include remittances that have to be repaid.

X.1 Filter Question Remittances Received

Question 1: *Remittances/gifts received.* Filter question: Ask whether any household member received any remittance/gifts from persons who are not members of the household or any household member who was away from the household in the last 12 months.

X.2 Remittances Received

In this section, each row represents one remittance/gift received by the household (Column 1: Remittances Received Code). A separate row has to be filled in for every remittance/gift received by the household. For example, if the household received 4 different gifts, 4 rows should be filled out (one for every gift). If there are more than 6 remittances, list the 6 most valuable ones.

Question 2: *Remittance recipient.* Copy the ID code from the Household Roster of the person who received the remittance/gift. Use one line for each gift a person received. If several persons together or all household members together received a remittance/gift, write 99.

Question 3: *Purpose.* Ask for the main purpose of the gift and choose the answer code which fits the respondent's answer best. If several answers are given, ask for the main purpose for the household receiving remittances/gifts. If none of the categories 1-8 apply, use code 9 and specify the reason briefly. The category 4 (general support) includes all kinds of support for no particular purpose, e.g. in case children support their parents or parents support their children.

Question 4: *Remittance sender.* Ask who gave the gift to the recipient and choose the answer code which fits the respondent's answer best. This person could be any person who lives in another household or any household member who was away from the household at the time of the receipt of remittances. If the respondent names several senders, write down code 6 (=many different people). For example, if a household member married and received one wedding gift from 10 different persons, answer code 6 should be used.

Question 6: *Value of remittance.* Write down the value of the remittance/gift. Write down the number of animals received depending (by type of animal) in columns 1 to 5. For payments in cash and goods, write down the amount of cash (in Tugrug) in the column Q6b. In case goods were given, estimate the equivalent value in Tugrug.

Question 7: *Frequency of receiving remittance*. Ask how regularly this remittance/gift is received and choose the answer code which fits the respondent's answer best.

X.3 Remittances Received Control Question

Question 1: *Baby born.* This is a control question: Ask whether any member of your household received any gift, like cash, livestock or other goods on the occasion of birth of a baby in the past 12 months. If so, go back to Section X.2 and fill out another row for this gift.

Question 2: *Wedding.* This is a control question: Ask if the household received any gift, like cash, livestock or other goods on the occasion of a wedding in the past 12 months. If so, go back to Section XI.2 and fill out another row for this gift.

XI Remittances Sent

The household head or another senior person who is well-informed about the financial situation of the household should answer this section on remittances and gifts sent by the household. This section does NOT include cash, livestock or goods that have to be repaid.

XI.1 Filter Question Remittances Sent

Question 1: *Remittances/gifts sent.* Filter question: Ask whether any member of the household supported another person who lives in another household with any gifts, cash, livestock, food or other goods in the past 12 months.

XI.2 Remittances Sent

In this section, each row represents one remittance/gift sent by the household (Column 1: Remittances Sent Code). A separate row has to be filled in for every remittance sent by the household. For example, if the household sent 3 different gifts, 3 rows should be filled out (one for every gift).

Question 2: *Remittance Recipient.* Ask who received the gift and choose the answer code which fits the respondent's answer best. This person could be any person who lives in another household or any household member who was away from the household at the time of the receipt of remittances.

Question 3: *Purpose.* Ask for the main purpose of the gift and choose the answer code which fits the respondent's answer best. If several answers are given, ask for the main purpose for the household member sending remittances/gifts. If none of the categories 1-9 apply, use code 10 and specify the reason briefly.

Question 5: *Value of remittance.* Write down the value of the remittance/gift. Write down the number of animals sent (by type of animal) in columns Q5aa to Q5ae. For payments in cash and goods, write down the amount of cash (in Tugrug) in column Q5b. In case goods were given, estimate the equivalent value in Tugrug.

Question 6: *Frequency of sending remittance*. Ask how regularly this remittance/gift is given and choose the answer code which fits the respondent's answer best.

XI.3 Remittances Sent Control Questions

Question 1: *Baby born.* This is a control question: Ask whether any member of your household sent any gift, like cash, livestock or other goods on the occasion of birth of a baby in the past 12 months. If so, go back to Section XI.2 and fill out another row for this gift.

Question 2: *Wedding.* This is a control question: Ask if the household sent any gift, like cash, livestock or other goods on the occasion of a wedding in the past 12 months. If so, go back to Section XI.2 and fill out another row for this gift.

XII Farming

The household head or another senior person who is well-informed about the household's farming activities should answer this section.

XII.1 Filter Question Farming

Question 1: *Farming.* Filter question: Ask whether any member of the household has farmed any land in the past 12 months.

Question 2: *Total area.* Write down the total area of all land farmed in square meters.

> **Example:** If the length of the farmed land is 16 meters and width is 9 meters, the area of the farmed land is 144 square meters (9*16=144).

XII.2 Income from Farming

In this section, each row represents a crop type (Column 1: Crop Code).

Question 2: *Harvested crops.* Write down how many kilos were harvested in the last 12 months for each crop type. If the crop is not cultivated, record "0".

Question 3: *Sold crops.* Write down how many kilos of the harvested crops were sold in the last 12 months for each crop type. If the crop is not sold, record "0".

Question 4: *Income from selling crops*. Ask the total amount received (in Tugrug) from selling harvested crops for each crop type.

XII.3 Expenditures in Farming

In this section, each row represents an expenditure type (Column 1: Expenditure Code). If there is an additional expenditure type in a given household, fill in expenditure type 11 ("Other expenditure") and specify the name of the expenditure.

Question 2: *Expenditure on farming.* Ask the total amount (in Tugrug) the household spent on farming in the past 12 months for each expenditure type. If the household did not have any costs for a given expenditure type, write 0.

XIII Livestock

The household head or another senior person who is well-informed about the household's livestock activities should answer this section. The following questions only refer to livestock the household owns, not to leased livestock.

XIII.1 Filter Question Livestock

Question 1: *Ownership of livestock.* Filter question: Ask whether the household or any member of the household owned any livestock in the past 12 months.

Question 2: *Birthing season.* Write down whether the birthing season for goats and sheep is completed, ongoing or whether it has not started yet for this year at the time of the interview.

XIII.2 Current Livestock

In this section, each row represents a livestock type (Column 1: Livestock Code). Cattle (livestock type 04) also includes yak and hainag.

Question 2: *Total number.* Write down the total number of livestock the household currently owns for each type of livestock.

Question 3: *Reproductive female animals.* Write down the number of reproductive females for each type of livestock.

Question 4: *Newborns this year.* Write down the number of newborns of this year for each type of livestock. If birthing season did not begin at the time of the interview write 99.

XIII.3 Changes in Livestock in Past 12 Months

Question 5: *Purchased.* Write down the number of livestock for each type of livestock the household purchased in the past 12 months.

Question 6: *Home consumption.* Write down the number of livestock for each type of livestock the household consumed in the past 12 months.

Question 7: *Theft.* Write down the number of livestock stolen from the household in the past 12 months for each type of livestock.

Question 8: *Killed by wild animals.* Write down the number of livestock killed by wild animals in the past 12 months for each type of livestock.

Question 9: *Died due to dzud.* Write down the number of livestock died due to dzud in the past 12 months for each type of livestock.

Question 10: *Died due to disease.* Write down the number of livestock died due to disease in the past 12 months for each type of livestock.

Question 11: *Died due to other reasons.* Write down the number of livestock died due to other reasons in the past 12 months for each type of livestock. Such reasons may include accident or old age.

XIII.4 Income from Sale of Live and Slaughtered Livestock in Past 12 Months

In this section, each row represents a livestock type (Column 1: Livestock Code). Note that there are now two different categories for horses: race horses and other horses.

Question 2: *Income from sale of livestock.* Write down the number of animals (by livestock type) sold in the past 12 months in cell 2a. Write down the total amount received from sales (by livestock type) in cash (in Tugrug) in answer cell 2b. The sale of livestock contains both living animals as well as slaughtered livestock.

XIII.5 Production and Sale of Livestock Byproducts in Past 12 Months

In this section, each row represents one livestock byproduct type (Column 1: Livestock Byproduct Code). There are 3 categories of byproduct types: wool and hair; skins; and milk.

Question 2: *Production of livestock byproducts.* Write down the number of units (kilos, pieces) the household produced of different kinds of wool & hair and skins in the past 12 months. Note that the measurement units vary by type of byproduct. If the household did not produce a given byproduct, write 0.

Question 3: *Sale of livestock byproducts.* Write down how many units of each livestock byproduct the household sold in the past 12 months. If the household did not sell a given byproduct, write 0.

Question 4: *Income from byproducts.* Write down the total amount the household earned through the sale of each livestock byproduct in the past 12 months.

XIII.6 Access to Markets

Question 1: *Sale of animals.* Ask whether the household sold any live animals or slaughtered animals/meat in the past 12 months.

Question 2: *Most important buyer of livestock.* Ask the respondent which of the different types of buyers of animals was the most important one to the household for selling live animals or slaughtered animals/meat. If the respondent gives several answers, ask for the most important buyer. If respondent sells livestock to changers at markets, write Code 3=changer.

Question 3: *Sale of cashmere.* Ask whether household sold any cashmere in the past 12 months.

Question 4: *Most important buyer of cashmere.* Ask the respondent which of the different types of buyers of animals was the most important one to the household for selling cashmere. If the respondent gives several answers, ask for the most important buyer. If respondent sells cashmer to changers at markets, write Code 3=changer.

Question 5: *Price information.* Ask whether the household received information on the selling price of live animals, meat, or cashmere through each of the 7 means of communication (Q7a. to Q7g).

Question 6: *Most important source of information*. Ask the respondent which of the different means of communication was the most important one to the household for getting price information. If the respondent gives several answers, ask for the most important means of information.

Question 7: *Member of a cooperative.* Ask if any household member is currently member of a cooperative that engages in marketing and selling of the household animal products (such as live animals, slaughtered animals/meat or cashmere).

XIII.7 Domestic Animals

In this section, each row represents a domestic animal type (Column 1: Domestic Animal Code).

Question 2: *Total number of domestic animals.* Write down the total number of domestic animals the household currently owns (by type of domestic animal). For bees (domestic animal code 04), consider the number of hives. If the household does not own a particular type of domestic animals, write 0.

Question 3: *Domestic animals sold.* Write down for each type of domestic animal, the number (in heads) the household sold alive or slaughtered in the past 12 months. For bees (domestic animal code 04), consider the number of hives sold. If the household did not sell a particular domestic animal type, write 0.

Question 4: *Income from sale of domestic animals or meat.* Write down the income (in Tugrug) the household received from the sale of domestic animals or meat (by type of domestic animal). If the household did not sell a particular domestic animal type, write 0.

XIII.8 Expenditures on Livestock Activities

In this section, each row represents a type of expenditure in livestock activities (Column 1: Expenditure Code). If there is an additional expenditure type in a given household, fill in Expenditure Type 08 (“Other”) and specify the name of the expenditure.

Question 2: *Expenditure on livestock activities.* Ask the total amount (in Tugrug) the household spent on livestock activities in the past 12 months for each expenditure type. If the household did not have any costs for a given expenditure type, write 0.

XIV Herding

The household head or another senior person who is well-informed about the household's farming activities should answer this section. If the head is not available, ask another senior person in household who knows best about herding activities.

This section is concerned with the household's herding activities. Note that the questions only refer to households that own livestock.

XIV.1 Filter Question Herding

Question 1: *Ownership of livestock.* Filter question. Ask whether the household or any member of your household owned livestock in the past 12 months.

XIV.2 Entry into Herding

Question 1: *Year of marriage.* Write down in what year, the household head got married. Write down the year as 4-digit number. In case the household head was never married, write 99.

Question 2: *Year starting own herd.* Write down in what year, the household head started having her/his own herd. Write down the year as 4-digit number.

Question 3: *Livestock with herding entry.* Write down how many animals the household head owned when starting her/his own herd. In case the respondent cannot remember the herd size when starting his/her own herd, write 99.

Question 4: *Private herd in 1990.* Ask whether household head had a private herd just before the transition period (in 1990). If household head was not a herder in 1990, write 99.

Question 5: *Number of livestock in 1990.* Ask how many animals the household head owned just before the transition period started (in 1990). In case the respondent cannot remember the herd size in 1990, write 99.

Question 6: *Father in herding.* Ask whether the father of the households head was a herder or worked with livestock.

Question 7: *Highest number of livestock.* Write down the highest number of livestock the household head owned in her/his life.

Question 8: *Year of highest number of livestock.* Write down in which year the household head owned the highest number of livestock in her/his life. Record the year as four-digit number. In case household head gives you a time period, write down the year in the middle of the period.

Question 9: *ENUMERATOR:* Write down the ID Code of the person who answered this section.

XIV.3 Livestock Fodder and Livestock Health

Question 1: *Production of hay.* Write down whether the household produced any hay in the past 12 months.

Question 2: *Reason for not producing hay.* Ask why the household did not produce any hay in the past 12 months and write down the answer code which fits best. If the respondent reports several reasons, write down the most important one. If none of the categories 1-5 apply, use code 6 and briefly specify the most important reason.

> **Definition: Tools** refers to agricultural tools for haymaking, e.g. animal powered hay mowers and rakes.

Question 3: *Livestock disease.* Ask whether the household's animals suffered from any livestock disease during the last 12 months.

Question 4: *Veterinarian.* Write down whether a veterinarian examined the household's animals in the last 12 months.

Question 5: *Vaccination.* Ask whether the household's animals got any vaccinations in the last 12 months.

Question 6: *Reason for no vaccination.* Ask why the household did not have the animals vaccinated the last 12 months and choose the answer code which fits best. In case the respondent gives several reasons, ask for the most important reason. If none of the categories 1-4 applies to the answer, use code 5 and briefly specify.

XIV.4 Livestock Insurance

Question 1: *Current index-based livestock insurance.* Ask whether the household has index-based livestock insurance now (in the year 2012/2013).

Question 2: *Reason for no insurance.* Ask why the household did not buy index-based livestock insurance for the year 2012/2013. Choose the answer code which fits best. In case the respondent gives several reasons, ask for the most important reason. If none of the categories 1-7 applies to the answer, use code 8 and briefly specify.

Question 3: *Date of contract conclusion.* Write down in which month and year the household concluded the index-based livestock insurance contract for the year 2012/2013.

Question 4: *Insurance payment.* Write down how much the household paid (in Tugrug) for index-based livestock insurance for the year 2012/2013.

Question 5: *Animals insured.* Write down how many animals are insured with index-based livestock insurance in the year 2012/2013.

Question 6: *Insurance and spending behavior.* Ask separately whether the purchase of index-based livestock insurance of the year 2012/2013 made the household spend less, the same or more on each of the activities (Q6a to Q6e).

Question 7: *Index-based livestock insurance in the past 5 years.* Ask whether the household bought an index-based livestock insurance anytime in the past 5 years, between 2006 and 2011.

Question 8: *Insurance payouts.* Ask whether household received any insurance payouts from the index-based livestock insurance in the current year or in the past 5 years.

Question 9: *Opinion about insurance payouts.* Ask whether household head thinks the household should have received insurance payouts. This question refers to the case the household has never received insurance payouts.

Question 10: *Number of insurance payouts.* Write down how many times the household received insurance payouts from index-based livestock insurance in the past 5 years, between 2006 and 2011.

Question 11: *Last insurance-payout.* Write down the month and the year when the household received the last insurance payout.

Question 12: *Value of last insurance-payout.* Write down the amount of the last insurance payout (in Tugrug).

Question 13: *Use of insurance payout.* Ask separately whether the household used insurance payouts for each of the different purposes (Q13a to Q13h).

Question 14: *Impact of insurance payouts on household's coping capability.* Read out the question and all answer options and fill in the choice of the respondent about whether insurance payouts helped to manage dzud or other problems.

Question 15: *Purchase of index-based livestock insurance in 2013.* Ask whether the household plans to buy index-based livestock insurance in 2013 and choose the answer code which fits best.

XIV.5 Conflicts in Herding

Question 1: *Conflict related to herding.* Write down whether the household experienced any conflict or dispute related to herding in the past 12 months.

Question 2: *Reason for conflict.* Ask about the reasons for the conflict or dispute and choose the answer code which fits best. If none of the categories 1-3 apply, use code 4 and briefly specify the most important reason.

Question 3: *Actors involved in conflict.* Ask about which actors were involved in the conflict or dispute and choose the answer code which fits best. If none of the categories 1-3 apply, use code 4 and briefly specify.

XIV.6 Khot Ail and Quality of Pastures

Question 1: *Herding household.* Ask whether this is a herding household living in a rural area. A herding household is living on campsites and his main income source comes from livestock.

Question 2: *Camping alone or together with other households.* Ask whether the household currently camps alone or together with other households within a khot ail.

Question 3: *Relationship between the households.* Ask what best describes the relationship between the households camping together (khot ail) and choose the answer code which expresses the main relationship. Please use only one answer code. If the respondent names several relations then give the most important one. If none of the categories 1-3 apply, use code 4 and briefly specify the relationship.

Question 4: *General cooperation.* Read out the question and all answer options and fill in the choice of the respondent.

Question 5: *Cooperation in special tasks.* Ask for every task (Q5a. to Q5f.) separately whether household cooperates with other households at the campsite.

Example: For Q5a, the enumerator asks: "Do you cooperate in sheering/combining livestock?".

Question 6: *Camping with others another time of year*. Ask whether there is any other time of the year when the household camps together with other households, for instance, winter, spring, summer, fall.

Question 7: *Condition of shelter.* Read out the two questions (Q7a and Q7b) and the answer options and fill in the choice of the respondent for the condition of each of the shelters in the past 12 months.

Question 8: *Quality of pastures.* Read out the four questions (Q8a to Q8d) and all answer options and fill in the choice of the respondent for the quality of each of the pastures in the past 12 months.

Question 9: *Water supply*. Read out the four questions (Q9a to Q9d) and all answer options and fill in the choice of the respondent for the quality of each of the water sources in the past 12 months.

XIV.7 Nomadic Movements in Past 12 Months

Q1-Q4 refer to the household's regular movements.

Question 1: *Move to other campsite***.** Ask whether the household moved to another campsite in the past 12 months.

Question 2: *Number of movements***.** Write down the number of times the household moved to a new campsite.

Question 3: *Distance moved.* Write down the total distance (in kilometers) the household moved in the past 12 months. Include return movements. If the household did not move and stayed on the same campsite in the past 12 months, record "0".

Question 4: *Means of transport.* Ask for every means of transport (Q4a. to Q4f.) separately whether household uses it to move to new campsites.

Q5-Q8 refer to the household's otor movements.

Question 5: *Otor movements.* Ask whether the household sent the livestock on otor in the winter 2011/2012.

Question 6: *Reason for not going on otor.* Ask why the household did not send his animals on otor in the winter 2011/2012. In case the respondent gives several reasons, ask for the most important reason. If none of the categories 1-8 applies to the answer, use code 9 and briefly specify.

Question 7: *Otor distance.* Write down the total distance (in kilometers) the animals went on otor in the winter 2011/2012. Include return movements. If animals did not go on otor in the winter 2011/2012, record "0".

Question 8: *Otor movement to another soum.* Ask whether the household moved the campsite to another soum anytime in the past 12 months.

XV Negative Events

If the head is available, ask these questions to the household head. If the head is not available, ask another senior person in the household. All questions in this section should reflect the opinion of the person who responds this section, NOT of the household head.

XV.1 Expectations on Rainfall in Summer

Start this section by reading the introductory text to the respondent as it is printed in the questionnaire. In this section, we ask the respondent about his/her personal judgment of the amount of rainfall in the past and the near future. The respondent is asked to provide an answer on a scale from 0 (very BAD rainfall) to 10 (very GOOD rainfall). Please assure the respondent that there is no "right" or "wrong" answer – we are just interested in his/her personal opinion.

Question 1: *Rainfall in summer 2011.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 2: *Rainfall in summer 2012.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 3: *Expectations of rainfall in summer 2013.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

XV.2 Expectations on Winter Conditions

Start this section by reading the introductory text to the respondent as it is printed in the questionnaire. In this section, we ask the respondent about his/her personal judgment of winter conditions in the past and the near future. "Harsh" winter conditions include, for instance, excessive amounts of snow, very low temperatures, a very long duration of the winter, blizzards or snow storms, and sudden ice covers. The respondent is asked to provide an answer on a scale from 0 (harsh winter) to 10 (mild winter). Please assure the respondent that there is no "right" or "wrong" answer – we are just interested in his/her personal opinion.

Question 1: *Conditions in winter 2011/2012.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 2: *ENUMERATOR*: Write down whether the interview takes place before December 2012.

Question 3: *Conditions in winter 2012/2013.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 4: *Conditions in winter 2012/2013.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

Question 5: *Conditions in winter 2013/2014.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

XV.3 Expectations on Dzuds

Start this section by reading the introductory text to the respondent as it is printed in the questionnaire. In this section, we ask the respondent about his/her personal judgment of dzuds in the near and distant future. The respondent is asked to judge how certain he/she is to be affected by a dzud in the future. The respondent should provide an answer on a scale from 0 (certain you will NOT be affected by dzud) to 10 (certain you WILL be affected by dzud) Please assure the respondent that there is no "right" or "wrong" answer – we are just interested in his/her personal opinion.

Q1-Q2 are to be asked only to households who own livestock.

Question 1: *Expectations of dzud in the next winter.* Please read the question exactly as printed in the questionnaire. Write down a measure between 0 and 10.

XV.4 Expectations on Herd Size

Question 1: *Household currently owns livestock.* This is a filter question: Ask if the household currently owns any livestock.

ENUMERATOR: Look up the total number of livestock the household currently owns (section XIII.2). You need this information for the next question Q2.

Question 2: *Expectations on livestock number in 12 months.* Please read the question exactly as printed in the questionnaire. Ask about the total number of livestock, regardless of the type of livestock. The question refers to the total number of animals of all ages (not just newborns). It is up to the respondent to estimate all possible gains and losses in animals in the next 12 months. The answer should be the number of animals.

Question 3: *Maximum expectations on livestock number in 12 months.* Please read the question exactly as printed in the questionnaire. This question refers to the highest possible number of livestock the respondent expects the household will have in 12 months in an optimistic scenario. The question refers to the total number of animals of all ages.

Question 4: *Minimum expectations on livestock number in 12 months.* Please read the question exactly as printed in the questionnaire. This question refers to the lowest possible number of livestock the respondent expects the household will have in 12 months in a pessimistic scenario. The question refers to the total number of animals of all ages.

XV.5 Winter 2009/2010

Question 1: *Ownership of livestock.* Ask whether the household or any member of your household owned livestock in the year 2009. This is a filter question.

Question 2: *Drought in 2009.* Ask whether the household experienced a drought in the summer of 2009.

Question 3: *Severity of drought in 2009.* Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the drought was not severe at all and 10 represents an extremely severe drought. Ask the respondent to judge how severe the drought in 2009 was on the scale from 0 to 10.

Question 4: *Warnings received beforehand.* Ask whether the household received any warnings about an impending dzud before the dzud occurred in 2009/10.

Question 5: *Timing of the warning.* Ask when (in which month and year) the warning about the dzud was received. If the respondent cannot remember the date of the warning, write down 99 in the answer cell.

Question 6: *Usefulness of warnings received.* Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the warning was not useful at all and 10 represents the warning was extremely useful. Ask the respondent to judge, on the scale from 0 to 10, how useful it was to receive the warning.

Question 7: *Household's experience of dzud.* Ask whether the household experienced a dzud in the winter of 2009/10.

Question 8: *Severity of dzud.* Ask the respondent to judge how severe the dzud in 2009/10 was on the scale from 0 to 10. On that account, ask the respondent to imagine a scale from 0 to 10 where 0 indicates the dzud was not severe at all and 10 represents an extremely severe dzud.

Question 9: *Type of dzud.* Ask about the type of dzud the people in this soum experienced in 2009/10. If you experienced several types of dzud, list the most prevalent one. If none of the categories 1-6 apply, use code 7 and briefly specify the type of dzud.

Question 10: *Number of livestock in 2009.* Write down the number of livestock the household owned in 2009 just before the dzud of 2009/2010.

Question 11: *Livestock losses due to dzud.* For each type of livestock (Q11a. to Q11e.), write down the number of livestock lost due to the dzud. If the household did not have any livestock losses due to the dzud for a certain type of livestock, record 0 in the corresponding cell.

Question 12: *Coping strategies.* Ask for every coping strategy (Q12a. to Q12i.) separately whether the household applied the strategy or not. If a certain strategy does not apply, record "99".

Question 13: *Most important coping strategies.* Ask which of the mentioned strategies was most important to the household in order to cope with the dzud. In case the household did not apply any of the coping strategies write 99.

Question 14: *Otor movements.* Ask whether the household sent livestock on otor during the dzud in 2009/10.**Question 15:** *Distance moved.* Write down the total distance (in kilometers) the herd was moved during the dzud. Include return movements.

Question 16: *Otor movements.* Ask whether the household moved to another soum during otor, in the winter 2009/2010.

Question 17: *Reason for not going on otor.* Ask for the main reason why the household did not send the livestock on otor during the dzud of 2009/2010. If the respondent names several reasons, list the most important reason only. In case the respondent's answer does not apply to any of the codes 1-8, write down code 9 and briefly specify.

Question 18: *Assistance during and after dzud.* Ask for every type of assistance (Q17a. to Q17d.) separately whether the household received this type of assistance or not.

Question 19: *Livestock restocking after dzud.* Ask whether the household received any livestock to restock the herd in order to compensate the losses of the dzud in 2009/10.

Question 20: Livestock received through *restocking programs.* Ask how many livestock the household received through restocking programs.

Question 21: *Loss recovery.* Ask the respondent to judge how well the household recovered the losses due to the 2009/10 dzud on a scale from 1 (recovered from all losses) to 5 (not recovered at all).

XV.6 Winter 2012/2013

Question 1: *ENUMERATOR*: Please specify whether the interview takes place before or after November 2012. In case the interview takes place before November 2012, the questions in this section do not apply and you skip this section and move on to XV.7.

Question 2: *Ownership of livestock in past 12 months.* Ask whether the household or any member of your household owned livestock in the past 12 months before the interview.

Question 3: *Warnings received.* Ask whether the household received any warnings about an impending dzud for the winter of 2012/2013.

Question 4: *Timing of the warning.* Ask when (in which month and year) the warning about the dzud was received. If the respondent cannot remember the date of the warning, write down 99 in the answer cell.

Question 5: *Usefulness of warnings received.* Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the warning was not useful at all and 10 represents the warning was extremely useful. Ask the respondent to judge, on the scale from 0 to 10, how useful it was to receive the warning.

Question 6: *Dzud.* Ask whether the household experienced a dzud in the winter 2012/13.

Question 7: *Severity of dzud.* Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the dzud was not severe at all and 10 represents an extremely severe dzud. Ask the respondent to judge how severe the dzud in winter 2012/13 was on the scale from 0 to 10.

Question 8: *Type of dzud.* Ask about the type of dzud the people in this soum experienced in 2012/13. If the soum experienced several types of dzuds, list the most prevalent one. If none of the categories 1-6 apply, use code 7 and briefly specify the type of dzud.

Question 9: *Livestock losses due to dzud.* For each type of livestock (Q9a. to Q9e.), write down the number of animals lost due to the 2012/13 dzud. If the household did not have any livestock losses due to the dzud for a certain type of livestock, record 0 in the corresponding cell.

Question 10: *Coping strategies.* Ask for every coping strategy (Q10a. to Q101.) separately whether the household applied the strategy or not. If a certain strategy does not apply, record “99”.

Question 11: *Most important coping strategy.* Ask which of the mentioned strategies was <u>most important</u> to the household in order to cope with the dzud. In case the household did not apply any of the coping strategies record “99”.

Question 12: *Otor movements.* Ask whether the household sent livestock on otor during the dzud in 2012/13.

Question 13: *Distance moved.* Write down the total distance (in kilometers) the herd was moved on otor during the dzud 2012/13. Include return movements.

Question 14: *Otor movements to other soum.* Ask whether the household moved to another soum during otor, in the winter 2012/13.

Question 15: *IF NO OTOR MOVEMENTS: Reasons.* Ask for the main reason why the household did not send the livestock on otor during the dzud 2012/13. If the respondent names several reasons, list the most important reason only. In case the respondent’s answer does not apply to any of the codes 1-8, write down code 9 and briefly specify.

Question 16: *Assistance during and after dzud.* Ask for every type of assistance (Q15a. to Q15d.) separately whether the household received this type of assistance during or after the dzud 2012/13.

Question 17: *Livestock restocking after dzud.* Ask whether the household received any livestock to restock the herd in order to compensate the losses of the dzud in 2012/13.

Question 18: *Restocking program.* Ask how many livestock the household received through restocking programs.

Question 19: *Loss recovery.* Ask the respondent to judge how well the household recovered the losses due to the 2012/13 dzud on a scale from 1 (recovered from all losses) to 5 (not recovered at all)..

XV.7 Experience of Negative Events

In this section, each row represents one type of negative event (Column 1: Event Code).

Question 2: *Experience of negative events.* Ask whether the household as a whole or any single member of the household experienced each of the first 8 types of events (event codes 01 to 08) in the past 12 months. For the last event, i.e. prices of cashmere dropped, (event code 09) ask the question only if the household owns livestock. Please read the question to the respondent exactly as printed in the questionnaire. Some negative events only apply to persons with a wage-job, a business or livestock. In this case, write 99 in the answer cell.

Question 3: *Severity of negative events.* Ask the respondent to judge how severe each negative event was to the household. Ask the respondent to imagine a scale from 0 to 10 where 0 indicates the event was not severe at all and 10 represents an extremely severe negative event.

XVI Social Networks

If the head is available, ask these questions to the household head. If the head is not available, ask another senior person in the household. All questions in this section should reflect the opinion of the person who responds this section, NOT of the household head.

XVI.1 Access to Support from Other People

In this section, each row represents a type of support the respondent receives through his/her social network (Column 1: Social Networks Code).

Question 2: *Easiness to receive help.* Please read the question exactly as printed in the questionnaire for each type of support separately and write down the respondent's answer. Code 02 only applies to households with wage job(s). Codes 03-05 only apply to herding households. If the question does not apply to the household, write down 99=not applicable.

XVI.2 Persons to Ask for Help

Q1-Q3 refer to the most important person to get help from.

Question 1: *Relation to most important person to receive help.* Please read the question exactly as printed in the questionnaire and write down the corresponding answer code. In case none of the codes apply, choose answer 4 and specify the relationship briefly. If several people help similar, choose one of them.

Question 3: *Main occupation of most important person to receive help.* Ask about the main occupation of the most important person to get help and choose the corresponding category. If the person has no job, write down code 5=no job. If none of the categories apply, choose code 4 and specify briefly.

Q4-Q9 refer to the relation to the local governors.

Question 4: *Name of bag governor.* Ask whether the respondent knows the name of the bag governor.

Question 5: *Relation to bag governor.* Read out the question and all answer options and write down the respondent's answer.

Question 6: *Ask bag governor for help.* Ask whether respondent asked the bag governor for help in the last 12 months.

Question 7: *Name of soum governor.* Ask whether the respondent knows the name of the aimag governor.

Question 8: *Relation to soum governor.* Read out the question and all answer options and write down the respondent's answer.

Question 9: *Ask soum governor for help.* Ask whether respondent asked the bag governor for help in the last 12 months.

Question 10: *ENUMERATOR:* Write the ID code of the person who answered this section.

XVII Subjective Indicators

If the head is available, ask these questions to the household head. If the head is not available, ask another senior person in the household. All questions in this section should reflect the opinion of the person who responds this section, NOT of the household head.

XVII.1 Life Satisfaction Today

Start this section by reading the introductory text to the respondent as it is printed in the questionnaire. In this section, we ask the respondent about his/her personal satisfaction with certain areas of life. The respondent is asked to provide an answer on a scale from 0 (completely dissatisfied) to 10 (completelysatisfied). Please assure the respondent that there is no "right" or "wrong" answer – we are just interested in his/her personal opinion.

Question 1: *Satisfaction with own health.* Ask how satisfied the respondent is with his/her own health. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied. If the respondent has any disabilities, write "99".

Question 2: *Satisfaction with dwelling.* Ask how satisfied the respondent is with the household's dwelling. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied.

Question 3: *Satisfaction with family life.* Ask how satisfied the respondent is with his/her family life. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied.

Question 4: *Satisfaction with household's economic situation.* Ask how satisfied the respondent is with the household's economic satisfaction. The economic situation covers e.g. income, assets the household has. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied.

Question 5: *Satisfaction with personal income.* Ask how satisfied the respondent is with his/her personal income. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied.

Question 6: *Satisfaction with job.* This question applies only to respondents who are employed. Ask how satisfied the respondent is with his/her job. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied. If the respondent is currently unemployed, write "99".

Question 7: *Satisfaction with quality of education.* This question applies only to households who have children currently in school. Ask how satisfied the respondent is with the quality of education at the household's children's school. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied. If the respondent has no children in school, write "99".

Question 8: *Satisfaction with Mongolia's economic development.* Ask how satisfied the respondent is with the economic development in Mongolia. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied.

Question 9: *Satisfaction with situation of herders.* Ask how satisfied the respondent is with the general situation of herders in Mongolia. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied.

Question 10: *Satisfaction with future of children.* Ask how satisfied the respondent is with the future of the household's children. If the household don't have any children, ask how satisfied the respondent is with the future of the young generation in Mongolia. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied.

Question 11: *General Satisfaction.* Ask how satisfied the respondent is with his/her life in general. Write down a measure of satisfaction between 0 for totally dissatisfied and 10 for completely satisfied.

XVII.2 Household's Economic Situation over Time

In this section, we ask the respondent to assess his/her household's economic situation over time compared to the situation today. The respondent is asked to provide an answer on a scale from much worse compared to today (5) to much better compared to today (1). Please assure the respondent that there is no "right" or "wrong" answer – we are just interested in his/her personal opinion.

Question 1: *Comparison with 12 months ago.* Ask the respondent about the household's economic situation was 12 months ago compared to the household's current economic satisfaction.

Question 2: *Comparison with 12 months ahead.* Ask the respondent about his/her expectations of the household's economic situation in 12 months from now compared to the household's current economic satisfaction.

Question 3: *Comparison with 5 years ahead.* Ask the respondent about his/her expectations of the household's economic situation in 5 years from now compared to the household's current economic satisfaction.

Question 4: *Willingness to take risks.* Read the question and write down the respondent's answer. Write down a measure of willingness to take risks between 0 for completely unwilling to take risks, to 10 for completely willing to take risks.

XVII.3 Food Security and Basic Needs

In this section, we ask the respondent about the household's food security and basic needs.

Question 1: *Housing.* Read the question the household's housing conditions and all answer options. Write down a measure for adequacy between 1 for situation was less than adequate for the household's needs to 3 for the situation was more than adequate for the household's needs.

Question 2: *Clothing.* Read the question regarding the household's clothing situation and all answer options. Write down a measure for adequacy between 1 for situation was less than adequate for the household's needs to 3 for the situation was more than adequate for the household's needs.

Question 3: *Schooling.* This question applies to households with children currently in school. Read the question regarding the children's schooling situation and all answer options. Write down a measure for adequacy between 1 for situation was less than adequate for the household's needs to 3 for the situation was more than adequate for the household's needs. In case there is no child currently in school, write down code 99.

Question 4: *Food consumption.* Read the question regarding the household's food situation and all answer options. Write down a measure for adequacy between 1 for situation was less than adequate for the household's needs to 3 for the situation was more than adequate for the household's needs.

Question 5: *Hunger when going to sleep. A*sk whether any household member did go to bed hungry because there was not enough food.

Question 6: *Frequency of hunger when going to sleep. A*sk how often household members had to go to bed hungry because there was not enough food last month and choose the corresponding answer code.

Question 7: *Not enough food in the past 12 months. A*sk whether there was a time during the past 12 months in which the household did not have enough food.

XVII.4 Subjective Economic Well-Being

Start this section by reading the introductory text to the respondent as it is printed in the questionnaire. In this section, we ask the respondent to compare the household's situation to the situation of other people in this soum over time. The respondent is asked to rank him/herself on an eleven-step ladder with the poorest people in his/her soum on the bottom, step 0, and the richest people on the top, step 10. Please assure the respondent that there is no "right" or "wrong" answer – we are just interested in his/her personal opinion.

Question 1: *Step today.* Ask the respondent on which step he/she sees his/her household today compared to other people in this soum. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum.

Question 2: *Step 12 months ago.* Ask the respondent on which step he/she thinks his/her household stood 12 months ago compared to other people in this soum 12 months ago. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum 12 months ago.

Question 3: *Step in 2009 (just before the dzud).* Ask the respondent on which step he/she thinks the household stood in 2009 compared to other people in this soum in 2009 (just before the dzud). Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum in 2009 just before the dzud. If the household did not yet exist in 2009, write "99".

Question 4: *Step in 2010 (just after the dzud).* Ask the respondent on which step he/she thinks his/her household stood in 2010 compared to other people in this soum in 2010 (just after the dzud). Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum in 2010 just after the dzud. If the household did not yet exist in 2010, write "99".

Question 5: *Step in 1990 (just before transition started).* Ask the respondent on which step he/she thinks his/her household stood in 1990 compared to other people in this soum in 1990 (just before the transition started). Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum in 1990. If the household did not exist in 1990, write "99".

Question 6: *Step in 12 months from now.* Ask the respondent on which step he/she expects his/her household to be in 12 months from now compared to other people in this soum in 12 months from now. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in 12 months in this soum from now.

Question 7: *Step in 5 years from now.* Ask the respondent on which step he/she expects his/her household to be in 5 years from now compared to other people in this soum in 5 years from now. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum in 5 years from now.

Question 8: *Step of most of your friends.* Ask the respondent on which step he/she pictures most of his/her friends today compared to other people in this soum today. Write down a measure between 0 for the lowest position in this soum and 10 for the highest position in this soum today.

Question 9: *ENUMERATOR:* Write down the ID Code of the person who answered this section.

XVIII Savings and Loans

XVIII.1 Savings and Loans Filter Question

Question 1: *Household member's saving accounts.* Ask whether any of the household members has a savings account in a bank.

Question 2: *Total amount of savings.* Sum up the total amount of all savings accounts of all household members together. For example if the household head saved 100,000.00 Tugrug on bank account and the household's wife 200,000.00 Tugrug, write down the total sum of 300,000.00.

Question 3: *Household member's loans.* Ask whether any of the household members took out a loan anytime in the past that still has to be repaid. This does not necessarily be a loan from a bank.

Question 4: *Number of loans.* Ask for the number of loans that all household members together repaid in the past 12 months.

XVIII.2 Loans

In this section, each row represents a loan (Column 1: Loan Code) which assigns a code to every loan that the household took out which still has to be repaid. Record the answers to Q2-Q8 for every loan using one row and thus one loan code for each loan.

Question 2: *Type of loan.* Ask for information about the kind of loan. In case the respondent's answer does not apply to any of the codes 1-8, write down code 9 and briefly specify.

Question 3: *Purpose of loan.* Ask about the reason why the money was borrowed. If the respondent names several purposes of the loan then list the most important one. If none of the categories 1-7 apply, use code 8 and briefly specify the most important purpose of the loan.

Question 4: *Source of loan/lender.* Ask about the individual/institution who gave the loan. If none of the categories 1-6 apply, use code 7 and briefly specify the lender.

Question 5: *Date of loan.* Ask in which year the household or a household member took out the loan. Record the year as a four-digit number.

Question 6: *Amount of loan.* Ask for the total amount of the loan when it was taken.

Question 7: *Repayment last month.* Ask for the amount repaid by the household in the last month. Record the repayment sum in Tugrug. This includes also interest payments.

Question 8: *Repayment last 12 months.* Ask for the amount repaid by the household in the last 12 months and record the repayment sum of the past 12 months in Tugrug.

Question 9: *Timely repayment. A*sk if the households expects that it is possible to pay this loan back in time.

XIX Housing

The household head or another senior person who is well-informed about the household should answer this section.

XIX.1 Filter Question Ger

Question 1: *Living in a ger.* Ask whether the household lived in a ger anytime in the past 12 months.

Question 2: *Number of gers.* Write down the number of gers the household lived in a ger anytime in the past 12 months. Exclude gers set up for children who attend school.

Question 3: *Currently living in a ger.* Ask whether the household is currently (at the time of the interview) living in a ger.

Question 4: *Cellphone coverage.* Write down how often the household has cellphone coverage around this ger where the interview takes place.

Question 7: *Another ger for children who attend school.* Write down whether the household owns or rents another ger for children of the household who attend school.

Question 8: *Rent for another ger for children.* Write down the amount (in Tugrug) paid by the household per school year for this ger.

Question 9: *Number of household members living in this ger.* Write down separately the number of school children and the number of other household members who live in this ger.

XIX.2 Gers

In this section, each row represents a separate ger (Column 1: Ger Code). The ger code identifies the number of gers owned/rent by the household. For example, if a household owns one ger and rents a separate one for household members at school in the soum center, two rows should be filled out (one for every ger).

Question 2: *Number of walls in ger.* Write down the number of walls of the ger.

Question 3: *Covering of the ceiling.* Ask whether the ger's ceiling is single or double and write down the corresponding code.

Question 4: *Covering of the frame.* Ask whether the ger's covering is single or double and write down the corresponding code.

Question 5: *Material of the floor.* Write down the main material of the ger's floor. If none of the categories 1-3 apply, use category 4 and specify briefly.

Question 6: *Water supply.* Write down the main source of water used in this ger. If none of the categories 1-4 apply, use category 5 and specify briefly.

Question 7: *Years in use.* Write down how many years this ger has been in use. This refers to the overall years someone has lived in this ger. For example, the household bought this ger when it had been used by somebody else for 5 years and the household used it afterwards for another 5 years, the correct number of years is 10.

Question 8: *Sale Amount.* Write down the amount the household would get if the ger was sold today. In case the household does not know the current market price, ask for an estimation.

Question 9: *Living in winter.* Write down whether the household usually lives in this ger during the winter months.

XIX.3 Filter Question Other Dwellings

Question 1: *Living in another dwelling.* Ask whether the household lived in a dwelling (other than ger) anytime in the past 12 months.

Question 2: *Number of dwellings.* Write down the number of dwellings (other than ger) the household lived in a ger anytime in the past 12 months. Include dwellings set up for children who attend school.

Question 3: *Currently living in a dwelling.* Ask whether the household is currently (at the time of the interview) living in a dwelling.

Question 4: *Cellphone coverage.* Write down how often the household has a cellphone coverage around this dwelling.

Question7: *Another dwelling for children who attend school.* Write down whether the household owns or rents another dwelling (other than ger) for children of the household who attend school.

Question 8: *Rent for another dwelling for children.* Write down the amount (in Tugrug) paid by the household per school year for this dwelling.

Question 9: *Number of household members living in this ger.* Write down separately the number of school children and the number of other household members who live in this dwelling.

XIX.4 Other Dwellings

In this section, each row represents a separate dwelling (Column 1: Dwelling Code). The dwelling code identifies the number of dwellings owned/rent by the household.

Question 2: *Type of dwelling.* Ask for the type of the dwelling and write down the corresponding category. If none of the categories 1-2 apply, use category 3 and specify briefly.

Question 3: *Material of the walls.* Ask for the main material of the walls and write down the corresponding category. If none of the categories 1-4 apply, use category 5 and specify briefly.

Question 4: *Material of the roof.* Ask for the main material of the roof and write down the corresponding category. If none of the categories 1-3 apply, use category 4 and specify briefly.

Question 5: *Material of the floor.* Ask for the main material of the floor and write down the corresponding category. If none of the categories 1-3 apply, use category 4 and specify briefly.

Question 6: *Type of toilet.* Ask for the type of toilet of this dwelling and write down the corresponding category.

Question 7: *Water supply.* Write down the main source of water used in this dwelling. If none of the categories 1-6 apply, use category 7 and specify briefly.

Question 8: *Square meters.* Write down the size of the dwelling in square meters.

Question 9: *Ownership of the dwelling.* Ask whether the dwelling is owned or rented by the household and write down the corresponding category. If none of the categories 1-2 apply, use category 3 and specify briefly.

Question 10: *Monthly rent.* Write down the amount for the monthly rent of this dwelling. Don't include additional costs like water, electricity and sewage.

Question 11: *Monthly rent if owned.* Write down the monthly amount the household would get if this dwelling was rent out. In case the household does not know the current market rent, ask for an estimation.

Question 12: *Value if sold.* Write down the amount the household would get if this dwelling was sold. In case the household does not know the current market price, ask for estimation.

XX Energy

The household head or another senior person who is well-informed about the household should answer this section.

XX.1 Heating and Electricity Source

Question 1: *Main source of heating.* Ask for the main source of heating the household uses and write down the corresponding category. If none of the categories 1-4 apply, use code 5 and specify briefly.

Question 2: *Main source of electricity.* Ask for the main source of electricity the household uses and write down the corresponding category. If none of the categories 1-5 apply, use code 6 and specify briefly.

XX.2 Utilities Expenditures

In this section, each row represents an energy type (Column 1: Utilities Code).

Question 2: *Use of utilities.* Ask separately for each different utility item whether the household used it in the past 12 months.

Question 3: *Supply channel.* Ask how the household mainly obtains the type of utility and write down the corresponding category. This question does NOT apply to utility items which are greyish shaded in the column for question 3.

Question 4: *Quantity consumed.* Ask separately for each type of utility how much the household consumed in the past 12 months. Specify the unit (4a) and record the quantity (4b) separately for each different utility item. If the household did not consume a certain utility item, write 0 in column (4b). This question does NOT apply to utility items which are greyish shaded in the column for question 4.

Question 5: *Expenditures past 12 months.* Write down how much the household spent for each type of utility in the past 12 months. If the utility is free of charge, write "0".

Question 6: *Expenditures last month.* Write down how much the household spent for each type of utility in the last month. If the utility is free of charge, write "0".

XXI Consumption

The household head or another senior person who is well-informed about the household should answer this section.

XXI.1 Food Consumption

In this section, each row represents a food type (Column 1: Food Code).

Question 2: *Quantity consumed <u>last week</u>.* Ask separately for each food item how much the household consumed last week. If one food item was not consumed last week, write 0. The units of the food items change depending on the food type.

XXI.2 Food Consumption Expenditures

Question 1: *Total food expenditures <u>last week</u>.* Ask how much the household spent on on food consumption in the past week and record the amount in Tugrug.

Question 2: *Total food expenditures <u>last month</u>.* Ask how much the household spent on on food consumption in the past month and record the amount in Tugrug

XXI.3 Non-Food Expenditures

In this section, each row represents a non-food consumption good (Column 1: Non-Food Code).

Question 2: *Value purchased last 12 months.* Ask separately for every non-food item, how much the household paid for this item (in Tugrug) in the last 12 months. If one non-food item was not purchased last month, write 0.

XXII Durables

The household head or another senior person who is well-informed about the household should answer this section.

In this section, each row represents a type of durables (Column 1: Durable Code).

Ask Q2 first for all items first. Then go through Q3-Q5 for every item owned.

Question 2: *Ownership of durables.* Write down for each durable item whether the household currently owns it.

Question 3: *Purchase last 12 months.* Write down for each durable item whether the household purchased it in the past 12 months.

Question 4: *Initial value of purchase.* For every durable item purchased in the past 12 months, write down how much the household paid for it (in Tugrug).

Question 5: *Current value of durables.* For each durable item, write down how much (in Tugrug) the household would get if the durable item was sold today. In case the household does not know the current market price, ask for an estimate.

Question 6: *ENUMERATOR:* Write the ID code of the person answering (most of) this section.

CHILD QUESTIONNAIRE

XXIII Child anthropometry

This section refers to all household members under age 12. Please use the anthropometric kit provided to fill out Q7-Q9. In this section, one row is assigned to each child of the household under age 12 (Column 1: ID Code of Child, Column 2: Name of Child.). Ask for the mother and father of each child and record their ID codes in column 3 (ID code mother of the child) and column 4 (ID code father of the child).

Question 5: *Date of birth.* Record the exact date of birth (day, month, year) of the child. Record day and month as two digit number. Fill in the last two digits for the year

> **Example:** Suppose the child is born on April, 5 2006. Then you fill in the corresponding cells for day “05”, for month”04” and for year, you fill in “06”.

Question 6: *Age of child.* Record the age of the child in completed years. Only count full months. For children less than three years, write the age in months.

> **Example:** Suppose the child is 1 year and 5 months old. This is equivalent to 12 months + 5 months = 17 months. Then you fill in the corresponding cell Q6b “17” for 17 months.

Question 7: *Sex of child.* Ask the child’s sex and write down the appropriate answer code.

Question 8: *Weight of child.* Weigh the child according to the procedure described in the section “Child Weight”. Record the weight in kilogram including one decimal point.

Question 9: *Height/Length of child.* Measure the child’s height according to the appropriate procedure, depending on the age of the child. For children 0-23 months, measure the height with child lying. For children 24 months and older, measure the height with child standing. Both procedures are described in the sections “Height for children 24 months and older” and “Length for infants and children 0-23 months”, respectively. Record the height in centimeters including one decimal point.

Question 10: *Method used to measure height of child.* Record which of the two methods (child lying or child standing) you used to measure the child.

Question 11: *Left middle arm circumference.* Measure the child’s left arm circumference according to the procedure described in the section “Child Mid-Upper Arm Circumference”. Record the circumference in centimeters including one decimal point.

Question 12: *Results of taking measures.* Specify the overall result of the measuring procedure from Q8-Q11.

ENUMERATOR: Number of children under age 12. Check again in the household roster the number of children under age 12 and record the number. Compare the number of children you measured with the number you recorded from the household roster. Make sure that you took measure of all children under age 12.

This is the end of the household questionnaire. Plaese read to the household members: “I would like to thank you very much for participating in the survey. All information given will be kept confidential. We wish you the best and look forward to see you again in 12 months.”

Procedures before measuring

There are a few preparatory procedures that should be addressed prior to obtaining measurements. Guidelines to make the field experience easier are:

Initial preparation. Ensure that the mother or caretaker understands what is happening to the child. Participants need to be comfortable with the process. The equipment should be clean and safely secured. Work out of direct sunlight since it can interfere with reading scales and other equipment and it is more comfortable for the measurer and child. It is necessary to explain in a non-threatening the purpose and contents of the survey while providing the listener an opportunity to ask questions and decline participation if necessary.

Ethically handling anthropometric data in surveys. Taking measurements on individuals can be intrusive and time consuming. It is the responsibility of the enumerators to minimize the discomfort and inconvenience of the survey and anthropometric measurement.

Informed consent. Informed consent from caregivers for the survey is necessary. Secure consent prior to undertaking any measurement. Consent is sought from each caregiver from the sample frame. In general, literate participants are asked to read and sign a consent form, while the form is read out to illiterate participants, who then give verbal consent. NSO: prepare consent form.

Two trained people required. When possible, two trained people should measure a child’s height and length. The measurer holds the child and takes the measurements. The assistant helps hold the child and records the measurements on the questionnaire. If only one trained person is available to take the measurements, then the child’s mother can help. The measurer would also record the measurements on the questionnaire.

Measuring board and scale placement. There will usually be several choices on where to place the measuring board or scale, but the choice should be made carefully. Be sure that you have a sturdy, flat surface for measuring boards, a strong place to hang scales from and adequate light so the measurements can be read with precision.

When to weigh and measure. Weighing and measuring should not be the first thing you do when you start an interview. The enumerator should first fill in the complete household questionnaire. This helps make the mother and child feel more comfortable before the measurements begin.

Weigh and measure one child at a time. You should complete the questions and measurements for one child at a time. This avoids potential problems with mix-ups that might occur if you have several children to measure.

Control the child. When you are taking weight and length/height measurements, the child needs to be as calm as possible. A child who is excited or scared can make it difficult to get an accurate measurement.

Recording measurements. All measurements should be recorded in pencil. If a mistake is made when recording a measurement, it can be corrected.

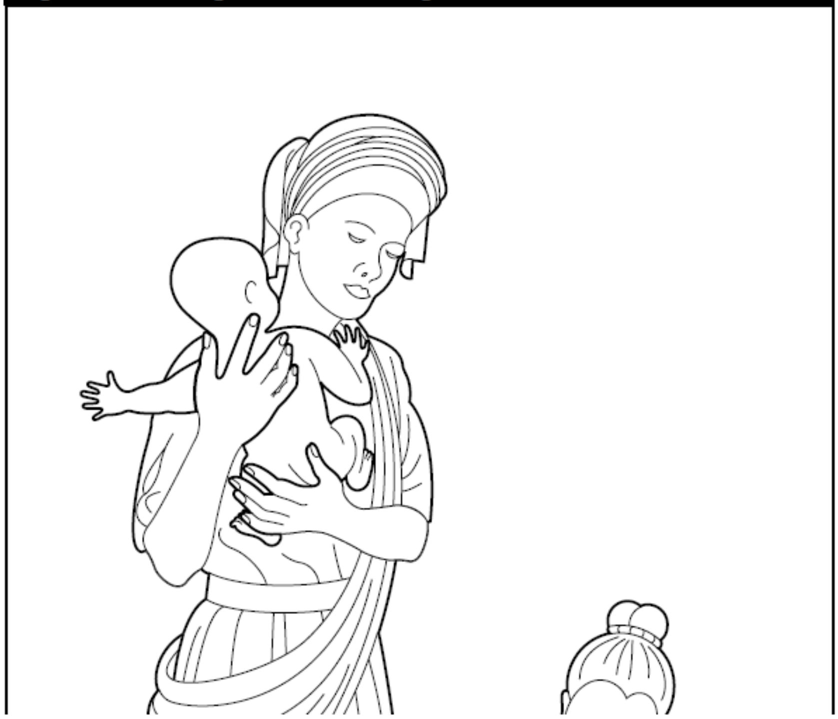
How to Measure Age, Weight, Height, Length, and MUAC

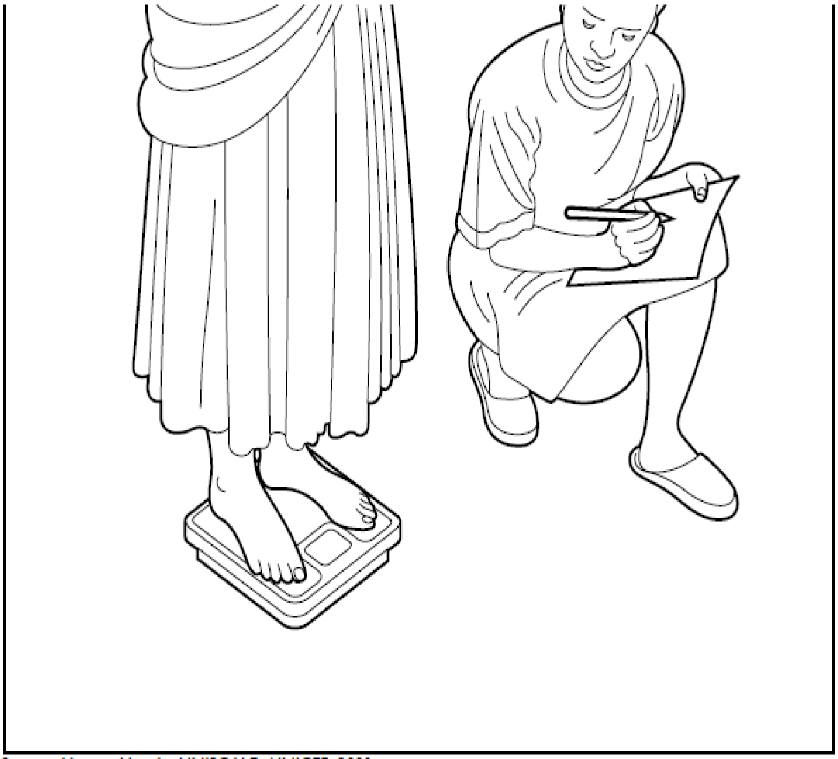
Date of birth. The child's accurate date of birth is required for deciding on whether the child is measured standing or reclining for height or length. If the mother does not know the child's exact birth date, the enumerator needs to copy the child's birth date (day, month, year) from documentary evidence, such as birth certificate or registration documents.

Age. Based on the child's date of birth, the enumerator has to calculate the child's age measured to the nearest month or year at the time of the interview. For example, an infant whose date of birth is 13 July, 2011 could be recorded as being 6 months if seen between 13 December, 2011 and 12 January, 2012 (both dates inclusive). Similarly, a child born on 13 July, 2006 could be recorded as 6 years old if seen between 13 July 2012 and 12 July, 2013 (both dates inclusive).

Child Weight (Figure 5.4)

Figure 5.4. Child Weight Measurement Using Electronic Scale

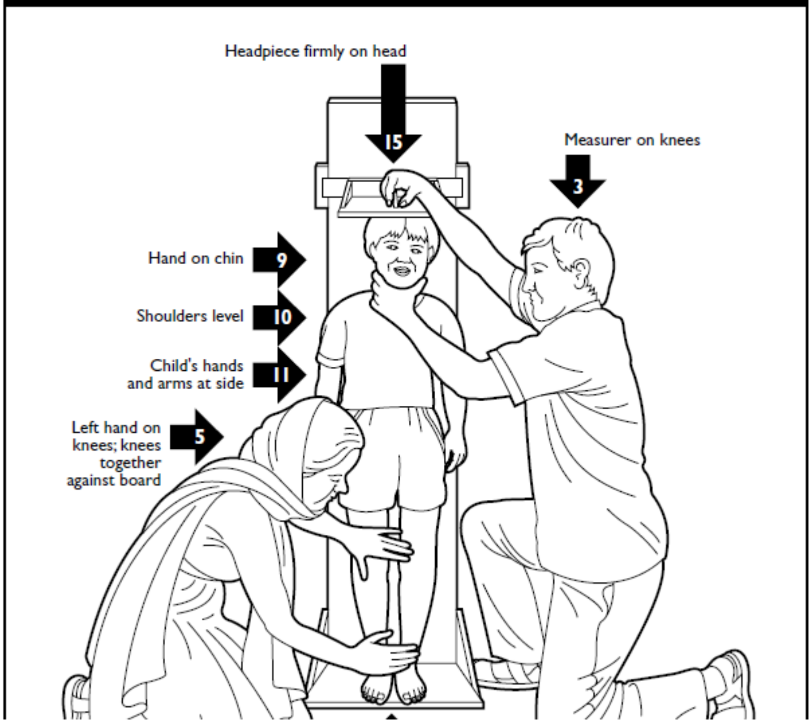


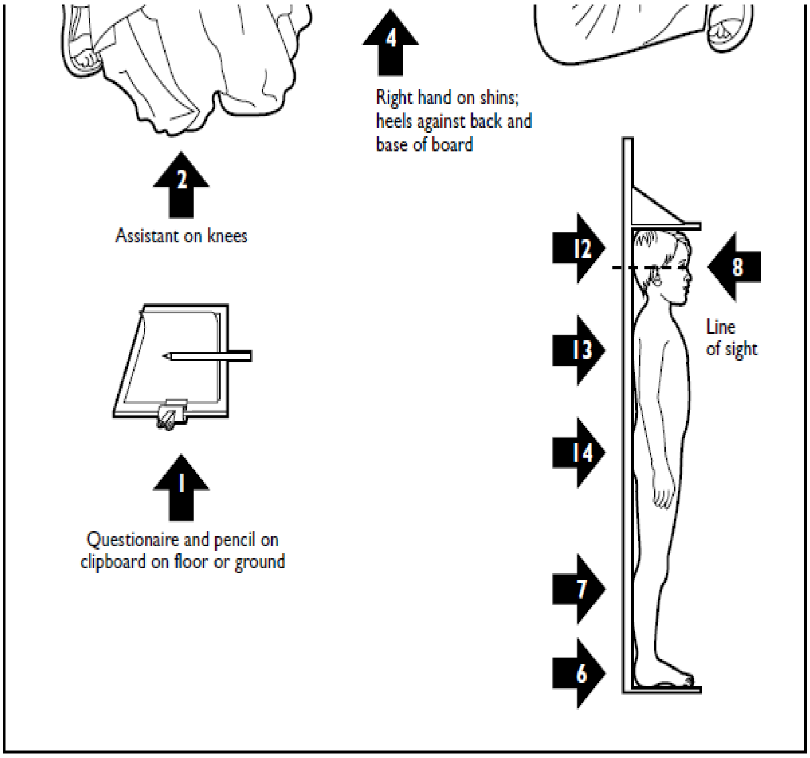


The mother and child need to be weighed simultaneously. Minimize the clothing on the child. Ensure the scale is not over-heated in the sun and is on an even surface enabling the reading to be clear. Ask the mother to stand on the scale. Record the weight and include the reading with one decimal point (e.g. 65.5 kgs). Pass the child to a person nearby. Record the second reading with just the mother (e.g. 58.3 kgs). The difference (e.g. 7.2 kgs) is the weight of the child.

Height for children 24 months and older (Figure 5.1)

Figure 5.1. Child Height Measurement - Height for Children 24 Months and Older





1. Measurer or assistant: Place the measuring board on a hard flat surface against a wall, table, tree, staircase, etc. Make sure the board is not moving.

2. Measurer or assistant: Ask the mother to remove the child's shoes and unbraid any hair that would interfere with the height measurement. Ask her to walk the child to the board and to kneel in front of the child.

3. Assistant: Place the questionnaire and pencil on the ground (Arrow 1). Kneel with both knees on the right side of the child (Arrow 2).

4. Measurer: Kneel on your right knee on the child's left side (Arrow 3). This will give you maximum mobility.

5. Assistant: Place the child's feet flat and together in the center of and against the back and base of the board/wall. Place your right hand just above the child's ankles on the shins (Arrow 4), your left hand on the child's knees (Arrow 5) and push against the board/wall. Make sure the child's legs are straight and the heels and calves are against the board/wall (Arrows 6 and 7). Tell the measurer when you have completed positioning the feet and legs.

6. Measurer: Tell the child to look straight ahead at the mother who should stand in front of the child. Make sure the child's line of sight is level with the ground (Arrow 8). Place your open left hand under the child's chin. Gradually close your hand (Arrow 9). Do not cover the child's mouth or ears. Make sure the shoulders are level (Arrow 10), the hands are at the child's side (Arrow 11), and the head, shoulder blades and buttocks are against the board/wall (Arrows 12, 13, and 14). With your right hand, lower the headpiece on top of the child's head. Make sure you push through the child's hair (Arrow 15).

7. Measurer and assistant: Check the child's position (Arrows 1-15). Repeat any steps as necessary.

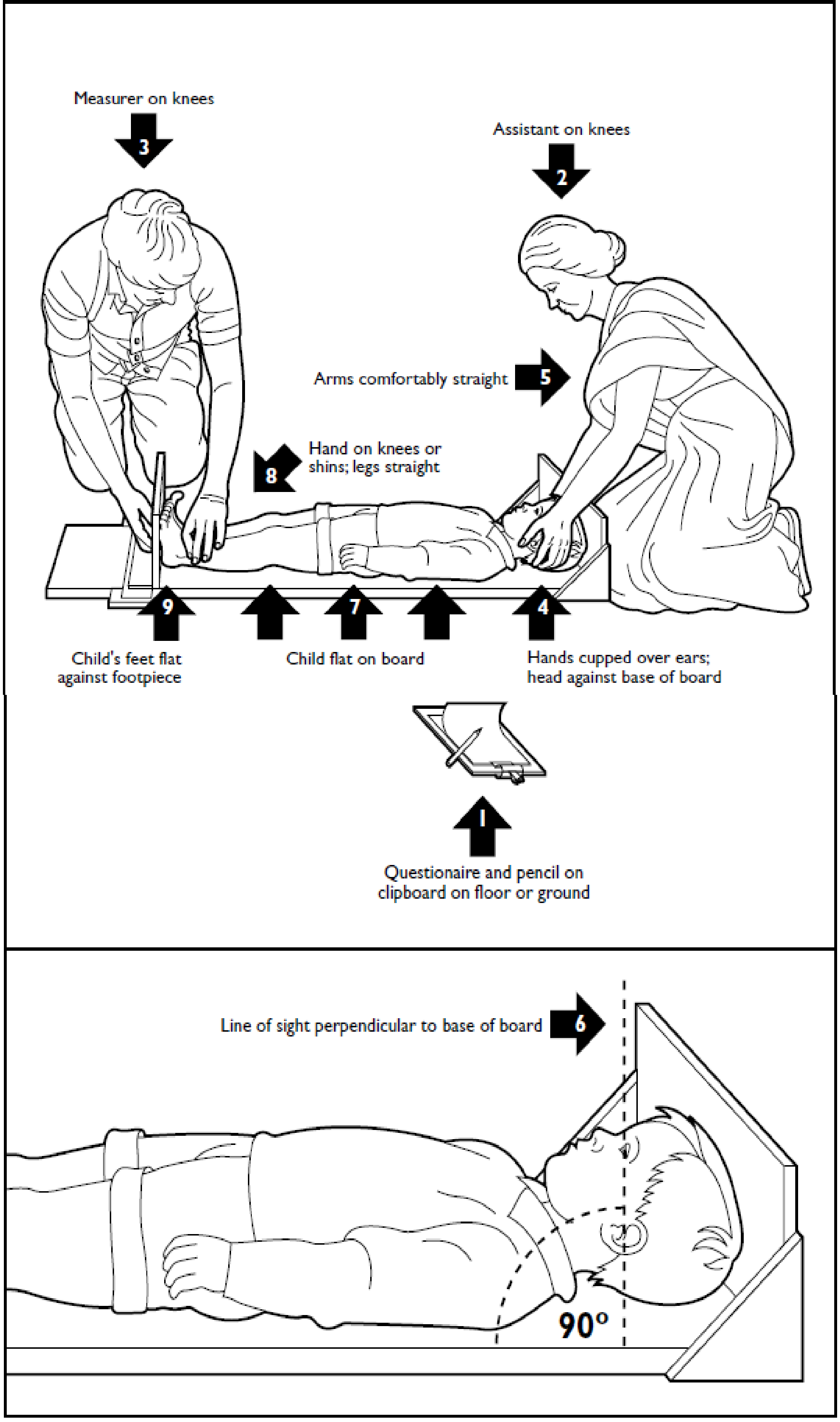
8. Measurer: When the child's position is correct, read and call out the measurement to the nearest 0.1 cm. Remove the headpiece from the child's head and your left hand from the child's chin.

9. Assistant: Immediately record the measurement and show it to the measurer.

10. Measurer: Check the recorded measurement on the questionnaire for accuracy and legibility. Instruct the assistant to erase and correct any errors.

Length for infants and children 0-23 months (Figure 5.2)

Figure 5.2. Child Length Measurement - For Infants and Children 0-23 Months



1. Measurer or assistant: Place the measuring board on a hard flat surface, i.e., ground, floor, or steady table.

2. Assistant: Place the questionnaire and pencil on the ground, floor, or table (Arrow 1). Kneel with both knees behind the base of the board if it is on the ground or floor (Arrow 2).

3. Measurer: Kneel on the right side of the child so that you can hold the foot piece with your right hand (Arrow 3).

4. Measurer and assistant: With the mother's help, lay the child on the board by supporting the back of the child's head with one hand and the trunk of the body with the other hand. Gradually lower the child onto the board.

5. Measurer or assistant: Ask the mother to kneel close on the opposite side of the board facing the measurer as this will help to keep the child calm.

6. Assistant: Cup your hands over the child's ears (Arrow 4). With your arms comfortably straight (Arrow 5), place the child's head against the base of the board so that the child is looking straight up. The child's line of sight should be perpendicular to the ground (Arrow 6). Your head should be straight over the child's head. Look directly into the child's eyes.

7. Measurer: Make sure the child is lying flat and in the center of the board (Arrows 7). Place your left hand on the child's shins (above the ankles) or on the knees (Arrow 8). Press them firmly against the board. With your right hand, place the foot piece firmly against the child's heels (Arrow 9).

8. Measurer and assistant: Check the child's position (Arrows 1-9). Repeat any steps as necessary.

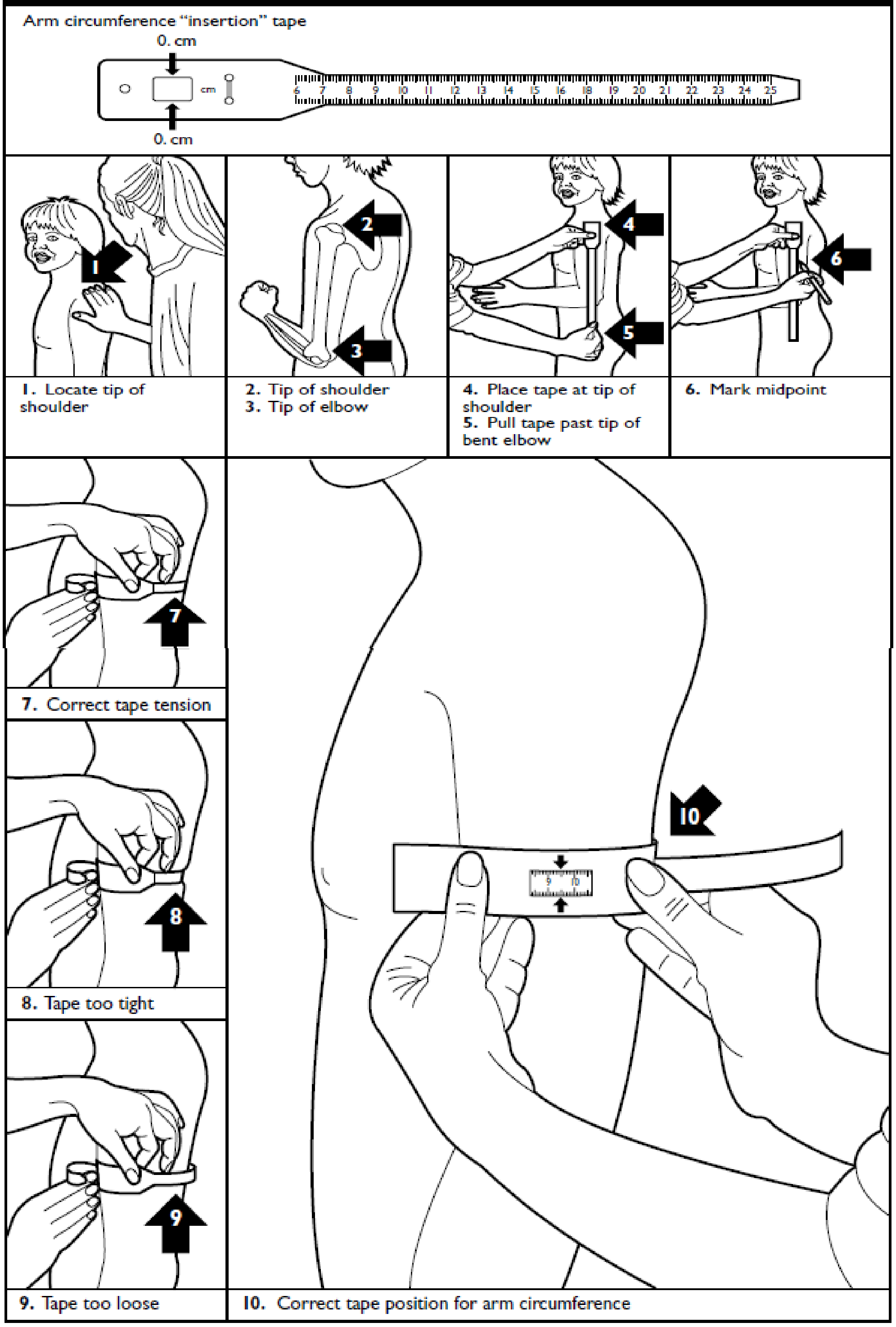
9. Measurer: When the child's position is correct, read and call out the measurement to the nearest 0.1 cm. Remove the foot piece and release your left hand from the child's shins or knees.

10. Assistant: Immediately release the child's head, record the measurement, and show it to the measurer.

11. Measurer: Check the recorded measurement on the questionnaire for accuracy and legibility. Instruct the assistant to erase and correct any errors

Child Mid-Upper Arm Circumference (Figure 5.5)

Figure 5.5. Child Mid-Upper Arm Circumference Measurement



1. Measurer: Keep your work at eye level. Sit down when possible. Very young children can be held by their mother during this procedure. Ask the mother to remove clothing that may cover the child's left arm.

2. Measurer: Calculate the midpoint of the child's left upper arm by first locating the tip of the child's shoulder (Arrows 1 and 2) with your finger tips. Bend the child's elbow to make a right angle (Arrow 3). Place the tape at zero, which is indicated by two arrows, on the tip of the shoulder (Arrow 4) and pull the tape straight down past the tip of the elbow (Arrow 5). Read the number at the tip of the elbow to the nearest centimeter. Divide this number by two to estimate the midpoint. As an alternative, bend the tape up to the middle length to estimate the midpoint. A piece of string can also be used for this purpose. Either you or an assistant can mark the midpoint with a pen on the arm (Arrow 6).

3. Measurer: Straighten the child's arm and wrap the tape around the arm at midpoint. Make sure the numbers are right side up. Make sure the tape is flat around the skin (Arrow 7).

4. Measurer and assistant: Inspect the tension of the tape on the child's arm. Make sure the tape has the proper tension (Arrow 7) and is not too tight or too loose (Arrows 8-9). Repeat any steps as necessary.

5. Assistant: Have the questionnaire ready.

6. Measurer: When the tape is in the correct position on the arm with the correct tension, read and call out the measurement to the nearest 0.1cm (Arrow 10).

7. Assistant: Immediately record the measurement on the questionnaire and show it to the measurer.

8. Measurer: While the assistant records the measurement, loosen the tape on the child's arm.

9. Measurer: Check the recorded measurement on the questionnaire for accuracy and legibility. Instruct the assistant to erase and correct any errors.

10. Measurer: Remove the tape from the child's arm.

Assessing the accuracy of measurements

The field supervisor is usually responsible for assessing the accuracy of measurements. There are a few practices a supervisor should employ to make sure that the data collected is of high quality. These are:

- Checking the measurements recorded and submitted by field staff, to see whether they look reasonable.
- Accompanying field staff on interviews to watch how measurements are taken.
- Conducting repeat visits to some households that have already been interviewed by the field staff. Measurements should be repeated to determine if the previous measurements are supported by the repeat measurements.

ENUMERATOR QUESTIONNAIRE PART II

This part of the questionnaire refers to the household as a whole. All questions should be answered by the enumerator (not the respondent).

XXIV.1 Final Observations

Question 1: *Main respondent.* Write down the name and ID code of the person who answered most questions of the questionnaire.

Question 2: *Main respondent in specific sections.* Write down the ID code of the person who responded (or mainly responded) to the section on Employment (Q2a), Herding (Q2b), Negative Events (Q2c), Subjective Indicators (Q2d), and Expenditures (Q2f).

Question 3: *How well did the interview go.* Now the enumerator is asked to provide a personal judgment about how well he felt the interview go. Please give an answer on a scale from 1 (very bad) to 5 (very good).

Question 4: *Difficult sections.* Please indicate if there were any particular sections of the interview that caused difficulties for the respondent to answer.

Question 5: *Which were difficult sections.* Write down the names of the five most difficult sections. For instance, write "Herding" in Q5a and "Negative events" in Q5b.

Question 6: *Overall difficulties.* Please describe in your own words if there were any difficulties during the interview. Your answer will help us improving the questionnaire in the second and third year.

Question 7: *Overall comments.* Please leave any other comment for us. This can be any personal impressions on the respondent, the questionnaire, difficulties you faced when asking questions or suggestions for improvement. Thank you!

XXIV.2 Ending Time of Interview and Result

In this section, each row represents each interview visit (Column 1: Visit Code).

Question 2: *End of interview.* Write down the hour and minute when the interview ends. Fill in this information once the interview is completed.

Question 3: *Result of interview.* Write down the result of the interview. If the household was willing to participate in the survey but the questionnaire was not completed, you have to visit the household again as soon as possible to complete the questionnaire. If the household refused to participate in the survey, you also have to fill in section I.6 ("Households Who Refused Interview").

SOUM QUESTIONNAIRE

The Soum Questionnaire should be filled out by soum statisticians. It should only be filled out for those soums in which household interviews take place. It is the responsibility of the team supervisors to administer the Soum Questionnaire to the aimag statisticians, ensure that the Soum Questionnaire is completely and correctly filled out, and deliver the Soum Questionnaire to the data entry operator in the aimag. The Soum Questionnaire has to be filled in once per year in every sample soum. The Soum Questionnaire has to be filled in during the first two months of data collection in each round (in June/July 2012, in June/July 2013, and in June/July 2014).

XXV.1 Identification

This section is the most important one in the whole soum questionnaire: It records the name and contact information if the soum statistician and the bag governors. Remember that we interview each households 3 times in 3 following years. It will be a challenge for the enumerators and supervisors to find the households in the second and third wave of the survey. This may be particularly difficult for herding households, who may conduct nomadic movements or leave rural areas altogether and settle in soum or aimag centers. Therefore, the contact information of bag governors allow enumerators to get in touch with bag governors and ask for directions to find households in the second and third wave of the survey.

Question 1: *Aimag name and aimag code.* The soum statistician should only fill in the <u>name</u> of the aimag in the answer cell.

Question 2: *Strata.* Write down the appropriate answer code.

Question 3: *Soum name and soum code.* The soum statistician should only fill in the <u>name</u> of the soum in the answer cell.

Question 8: *Date of interview.* Write down the day, month, and year the Soum Questionnaire is filled in.

Questions 9-10: *Supervisor name and ID.* Write down the full name and ID of the team supervisor. This should be done the team supervisor himself/herself.

Questions 11-12: *Data entry operator name and ID.* Write down the full name and ID of the data entry operator. This should be done the data entry operator himself/herself.

XXV.4 Infrastructure

Question 2: *Public transport.* Indicate whether or not there are different types of public transport between the soum center and the aimag center (Q2a: bus; Q2b: Minibus; Q2c: Private cars).

Question 3: *Cellphone network.* This question refers to the overall availability/coverage of cellphone networks in this soum. If you are not entirely sure what the correct answer is, please do not leave this answer blank. Instead, please choose the answer that is closest to your estimate.

Question 4: *Facilities available in soum.* Write down whether or not each of the types of facilities listed in the question is available in this soum.

Question 5: *Hours of electricity per day.* Write down how many hours of electricity this soum receives on an average day. Please provide an estimate even if you are not entirely sure.

Question 6: *Non-Governmental Organization active.* Indicate whether or not one or more Non-Governmental Organizations are currently active in this soum.

Question 7: *Number of Non-Governmental Organizations.* Write down the number of Non-Governmental Organizations that are currently active in this soum. Examples of Non-Governmental Organizations are Zorig Foundation and Center for Family Education.

Question 8: *International Organization active.* Indicate whether or not one or more International Organizations are currently active in this soum. Examples of International Organizations are World Bank, UNICEF, CARE, and International Red Cross.

Question 9: *Number of International Organizations.* Write down the number of International Organizations that are currently active in this soum.

Question 10: *Source of water for herders.* Indicate what the principal source of water if for herders in this soum. List the most important source of water only.

Question 11: *Shortage of water.* Indicate if there is a shortage of water for herders in this soum.

Question 12: *Conflicts over water.* Indicate how often conflicts over water occur in this soum.

Question 13: *Shortage of pasture.* Indicate if there is a shortage of pastures for herders in this soum.

Question 14: *Conflicts over pasture.* Indicate how often conflicts over pastures occur in this soum. This may also include conflicts between herders and mining companies or ninjas.

Question 15: *Ecological zone.* Indicate which ecological zone is most prevalent in this soum. If there are several ecological zones, only indicate the most prevalent.

XXV.5 Economic Activities

Question 1: *Most important business sector.* The soum statistician should describe the most important (in terms of economic revenues generated in this sector) business sector briefly in sub-question 1a in his/her own words.

Question 2: *Second most important business sector.* The soum statistician should describe the second most important (in terms of economic revenues generated in this sector) business briefly in sub-question 2a in his/her own words.

Question 3: *Third most important business sector.* The soum statistician should describe the third most important (in terms of economic revenues generated in this sector) business briefly in sub-question 3a in his/her own words.

XXV.6 Employment Sectors

In this section, each row represents a separate employment sector (Column 1: Employment Code).

Question 2: *Number of persons employed in each sector.* Write down the number of persons in this soum who are employed in each of the 13 Employment Sectors. If there is any other Employment sector in which people in this soum work, please use the “Other” answer code and describe this sector. If you are uncertain about the exact number, please provide an estimate.

XXV.7 Herding and Dzud

Question 1: *Index-based Livestock insurance available.* Indicate whether or not index-based livestock insurance is available to herders in this soum. Please note that this question refers to one specific insurance product (and not livestock insurance in general).

Question 2: *Agencies offering Index-based Livestock insurance.* Write down the agencies or companies offering index-based livestock insurance in this soum. If there are more than three agencies or companies, only list the name of three of them.

Question 3: *Livestock types.* Indicate if people in this soum have each of the following 5 livestock types: Goat (Q3a), sheep (Q3b), camel (Q3c), cattle (Q3d), horse (Q3e).

Question 4: *Most important livestock types.* Indicate which of the 5 livestock types is the most, second, third, fourth, and fifth most important (that is, the most prevalent) in this soum.

Question 5: *Problems of herders.* Indicate whether or not each of the following 7 problems exist for herders in this soum.

Question 6: *Most important problems of herdes.* Indicate which of the 7 problems is the most, second, third most important to herders in this soum. If there is only 1 problem to herders in this soum, leave Q6b and Q6c blank.

Questions 7-12 refer to dzud warnings.

Question 7: *Dzud warning system in place.* Indicate whether there is an early warning system in place in this soum that warns herders of a dzud.

Question 8: *Means of communication on dzud warnings.* Indicate which means of communication is most important in this soum to inform herders about the dzud warning.

Question 9: *Dzud warning in 2009.* Indicate if there was any dzud warning issued to herders in this soum in 2009.

Question 10: *Dzud warning in 2010.* Indicate if there was any dzud warning issued to herders in this soum in 2010.

Question 11: *Dzud warning in 2012.* Indicate if there was any dzud warning issued to herders in this soum in 2012.

Question 12: *Dzud warning in 2013.* Indicate if there was any dzud warning issued to herders in this soum in 2013. Only fill in this question if the interview takes place in 2013. If the interview is conducted in 2012, leave this answer cell blank.

Questions 13-16 refer to soum-level otor contracts.

Question 13: *Otor contract for herders of this soum in 2011/2012.* Indicate whether the governor of this soum signed otor contracts with one or several other soums so that <u>herders of this soum</u> were able to go on otor <u>to other soums</u> during the winter 2011/2012.

Question 14: *Otor contract for herders of other soums in 2011/2012.* Indicate whether the governor of this soum signed otor contracts with one or several other soums so that <u>herders of other soums</u> were able to go on otor <u>to this soums</u> during the winter 2011/2012.

Question 15: *Otor contract for herders of this soum in 2012/2013.* Indicate whether the governor of this soum signed otor contracts with one or several other soums so that <u>herders of this soum</u> are able to go on otor <u>to other soums</u> during the winter 2012/2013. If such contract will be signed later on in 2012, use answer code 3.

Question 16: *Otor contract for herders of other soums in 2012/2013.* Indicate whether the governor of this soum signed otor contracts with one or several other soums so that <u>herders of other soums</u> are able to go on otor <u>to this soums</u> during the winter 2012/2013. If such contract will be signed later on in 2012, use answer code 3.

Questions 17-21 refer to the 2009/2010 dzud.

Question 17: *Number of households who lost livestock in 2009/2010 dzud.* Write down the number of household in this soum who lost any livestock because of the 2009/2010 dzud. This includes both households who lost few livestock and households who lost many livestock. If you do not know the exact number, please provide an estimate.

Question 18: *Number of households who lost all livestock in 2009/2010 dzud.* Write down the number of household in this soum who lost <u>all</u> livestock because of the 2009/2010 dzud. If you do not know the exact number, please provide an estimate.

Question 19: *Strategies used to cope with dzud.* Indicate whether households in this soum applied any of the following list of strategies to cope with the 2009/2010 dzud. If households used additional strategies that are not included in the answer options, please use answer code 19e and specify.

Question 20: *Herders of this soum went on otor in 2009/2010.* Indicate if herders of this soum went on otor during the 2009/2010 dzud to other soums.

Question 21: *Herders of other soum came on otor in 2009/2010.* Indicate if herders of other soums came on otor to this soum during the 2009/2010 dzud.

XXV.8 Farming

Question 1: *Crop types.* Indicate if people in this soum grow each of the 14 crop types listed in question 1. If people in this soum grow an additional crop that is not listed, please use answer code 1o and specify.

Question 2: *Most important crop types.* Indicate which of the 14 crop types is the most, second, and third most important (that is, the most prevalent) in this soum.

SOUM PRICE QUESTIONNAIRE

Enumerators have to collect price data using the Soum Price Questionnaire. The price data have to be collected in aimag centers and soum centers (not in rural areas). The Soum Price Questionnaire has to be filled out for every month in which household interviews takes place in a given soum. The Soum Price Questionnaire has to be collected during the first week of each month.

For each Soum Price Questionnaire form, price data from two different shops in the same aimag center or soum center have to be filled in. This is because the price of some items may differ across shops.

Enumerators have to make sure that price information is collected for the exact items listed in the Soum Price Questionnaire form. For example, for the food item *Flour, 1st grade* the price of 1 kg of unpacked flour of the brand “Altan taria” should be collected. If some items are not available in the shops chosen by the enumerators, then the enumerators have to obtain those prices from a third or fourth shop. The Soum Price Questionnaire has to be filled in completely, with price data to be collected for every single item. Missing price data for single items are not acceptable.

I. Identification

Question 1: *Aimag name and aimag code.* During the interview only the name of the aimag should be written in the answer cells.

Question 2: *Strata.* Write down the appropriate answer code.

Question 3: *Soum name and soum code.* During the interview only the name of the soum should be written in the answer cells.

Question 4: *Date of interview.* Write down the day, month, and year the Soum Price Questionnaire is filled in.

Question 5: *Strata.* Write down the name of the first and second shop from which the price data are collected.

Questions 6-7: *Enumerator name and ID.* Write down the full name and ID of the enumerator.

Questions 8-9: *Supervisor name and ID.* Write down the full name and ID of the team supervisor.

Questions 10-11: *Data entry operator name and ID.* Write down the full name and ID of the data entry operator.

I. Price data

In this section, each row represents a separate item type (Column 1: Item Code). Column 2 defines the unit of measurement.

Question 3: *Price in first shop.* Write down the price of each item as listed in Column 1 and 2 (exactly the same brand and unit of measurement). It is not allowed to leave answer cells blank.

Question 4: *Price in second shop.* Write down the price of each item as listed in Column 1 and 2 (exactly the same brand and unit of measurement). It is not allowed to leave answer cells blank.