

MICRODIS REVIEW AND MODIFICATION - MODEL AND PROTOCOL

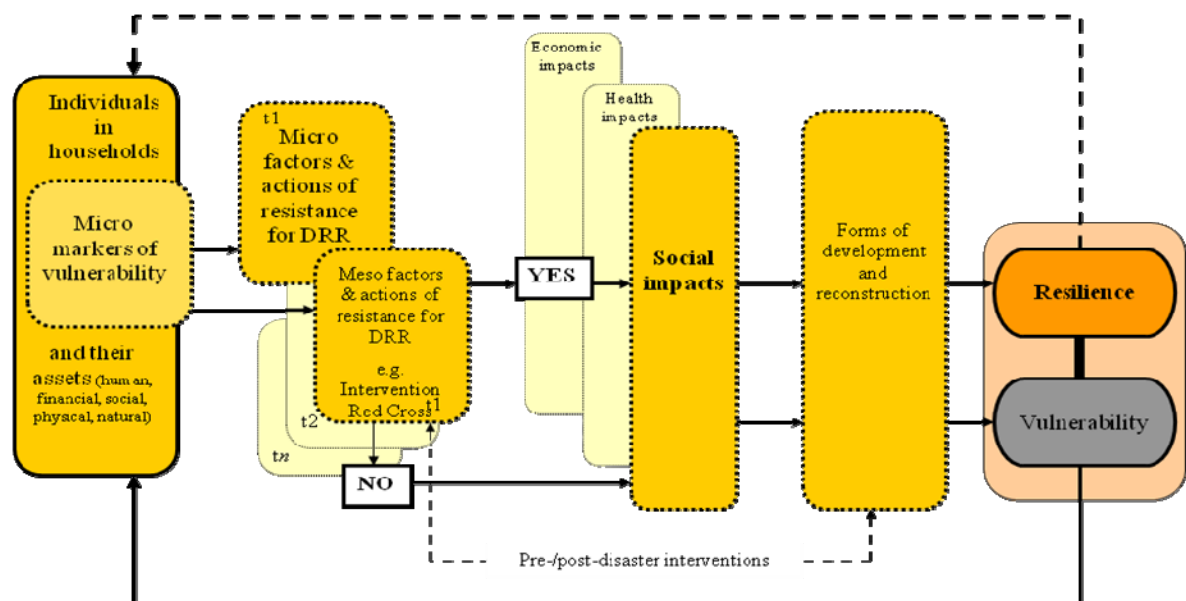
INSTRUMENT: SOCIAL GROUP QUESTIONNAIRE

CALIBRATED CONCEPTUAL MODEL AND REASONS FOR CHANGES

The Social group discussed the framework (Figure 1) that was decided upon in the Delhi meeting initially and subsequently at the 2009 meeting in Jakarta. It was discussed that the framework serves as an adequate basis to explain the social impacts of natural disasters. The framework underscores the interrelation between social impacts and economic and health impacts. Further, the framework emphasizes that the impact of disasters is multilayered, varying from individual factors, such as coping mechanisms or social support, to meso-factors, such as community actions or interventions by NGOs. The framework is dynamic in nature, which underscores the phenomenon that resilience and vulnerability may change over time (indicated by the feedback loops).

It was agreed that on the basis of the framework various models can be specified, depending on the research interest. A model is more concrete than a framework. The specifics of a model depend on the outcome variables. The outcome variables in the framework - resilience and vulnerability - can only be understood and examined, when it is clear what variables one is interested in. Thus the first step is to identify an outcome variable.

Figure 1. Framework of the social impact of natural disasters

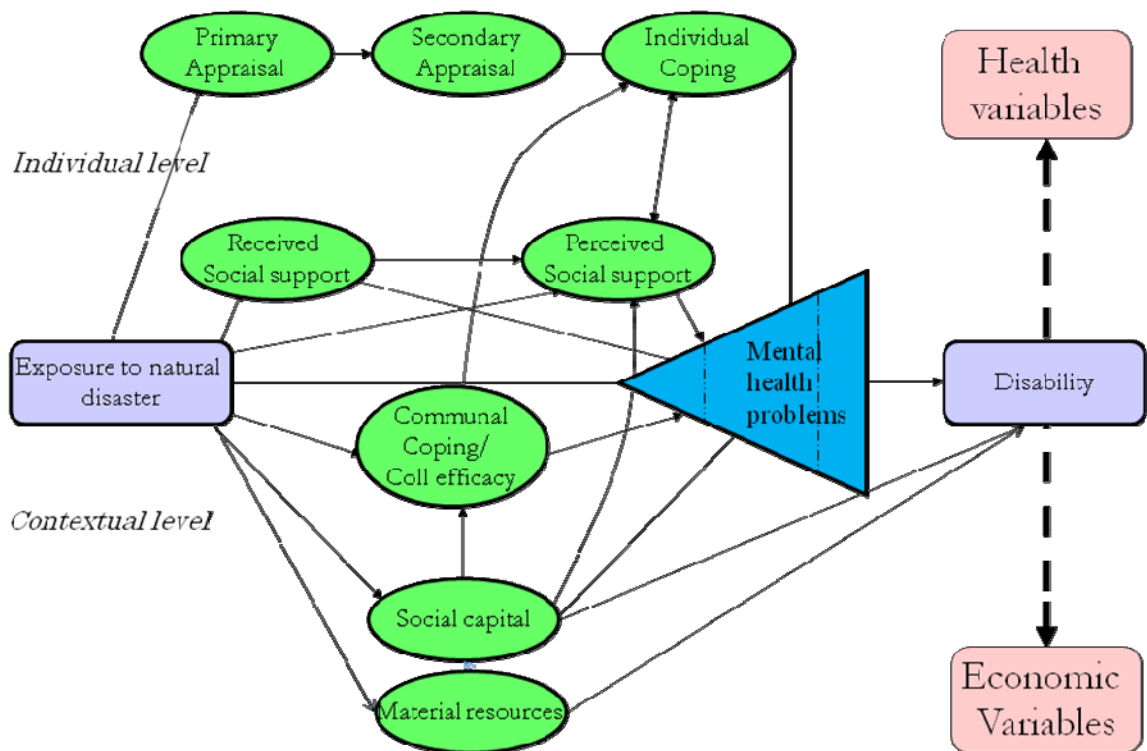


An example of a model that can be specified on the basis of the framework is the model below (Figure 2). This model identified mental health as an outcome variable. The specific relationships are identified based on theory. For example, the specified relation between the occurrence of the disaster, social support, and mental health is elucidated in the Social Deteriorization and Mobilization Theory (Norris & Kaniasty, 1996). The tenet of the Social Deteriorization and Mobilization Theory is that immediately after a disaster the received social support will increase by a vast influx of support into the disaster region. This influx is beneficial for the mental health of affected individuals. Further, the Transaction Theory (Lazarus & Folkman, 1986) describes the relation between the experience of a disaster, individual coping and psychological distress. The assumption of the latter theory is that an event leads to an estimation of danger for one's life (primary appraisal), which is followed by an estimation of one's ability to cope with an event (secondary appraisal), which in turn leads to coping (e.g. emotional or problem focused coping). Next, the

model includes communal variables such as social capital (Putnam, 1996), material resources (see the Conservation of Resources Theory; Hobfoll, 1998), and communal coping/collective efficacy (Earls *et al*, 2007). These communal variables are found to be related to dysfunctioning and mental health. The model advances on current theory by being multidisciplinary and multilevel in nature (Neria, 2007; De Jong & Komproe, 2003; Miller *et al*, 2006). The variables in the model are measured by the instrument created in the MICRODIS project.

We emphasize that this is not the only model possible to explain the social impact of natural disasters, and we invite scholars to develop other models, dependent on the outcome variable of interest.

Figure 2. Explaining the impact of natural disasters on mental health and functioning.



LESSONS LEARNED VIS-A-VIS THE INSTRUMENT

The team members of the social working group scrutinized the original social questionnaire collaboratively during the meeting and checked what 'worked or did not work'. (For elaboration per research site see the report on Deliverable 4.4.2).

In general the social group found several problems:

- *Repetitive questions, especially within the social questionnaire.* Several questions were repeatedly asked in different wordings by distinct disciplines, and several questions were present in the questionnaire repeatedly as they constituted different previously constructed questionnaires. This repetition of questions was found throughout the entire questionnaire, but was especially present within the social questionnaire. The social questionnaire included questions on mental health complaints (e.g. posttraumatic stress disorder, depression, and psychological functioning. Several questions are present in different question sets, for example: "Did you feel sad?" Nonetheless, the same question may return in another question set with a distinct response format (e.g. 4 point scale versus 6-point scale) or a question was slightly differently posed. If these questions were changed, this would undermine statistical analyses when changing response formats, and could undermine the validation of the questionnaire when differently phrased. Hence, we were forced to retain the repetitive questions in the questionnaire, to perhaps some frustration of respondents. Several teams coped with these repetitive questions by mentioning this aspect in the beginning of the interview and apologizing for this.
- *Technical validity: the varying response formats were not understandable throughout all sites.* In several sites, respondents were not used to the varying response formats that were used in the instrument. Questions with a statement to which respondents could agree to varying extents were unknown and hard to grasp in many Asian settings, which undermined the technical validity of the questions asked. It was especially hard to understand differences within response formats. Illustratively, the response formats of some questions varied between 'not at all' [1] to 'extremely' [4], whereas other response formats varied between 'all of the time' [1] to 'none of the time' [6]. The differences between some answers were not always clear (e.g. 'fairly often', 'sometimes', and 'rarely' in Indonesia). To address this problem it was advised to make flashcards on which a scale was depicted with numbers on a line varying for example from 'not at all' [1] to 'extremely' [4], on which respondents could indicate to what extent respondents were, for example, suffering from a health complaint. The Indian team designed another solution to overcome this problem: for better understanding enumerators were trained to reframe responses in terms of amounts of Indian rupees that equaled the response formats.
- *Technical validity: hypothetical/abstract questions were not easily understood throughout all sites.* Another challenge to overcome in this multi-site research finds itself within the domain of technical validity as well. In several research sites respondents, especially lower educated people, were not used to the level of abstraction of several questions within the interview. For example: 'How much did you try to take your mind off the disaster?' was a difficult question in some settings due to its abstract nature. Not only do these questions presume a certain level of education, also people were not used to this type of question. Hence, it took enumerators in some settings quite some effort explaining the meaning of these questions.

More specifically, the social group found the following aspects to be problematic (results discussed per theme):

- *Individual coping.* In India the research team obtained long narratives for questions on 'individual coping'. The questions on 'individual coping' were well understood. In general, 'answer cards' were an important tool to be able to understand the answer formats.
- *Individual received social support.* The matrix form was not relevant for all 'providing parties' that lent social support. Emotional support from the government was difficult to understand and perceived as

irrelevant by the respondents. People lost interest, as questions were repetitive and not relevant for all categories. For example, emotional support from a government was not perceived as relevant. Further, it was difficult to explain the abstract concept 'esteem/value support'. The general suggestion was to use other question sets to measure the construct of received social support.

- *Sense of community.* The 'sense of community' questions were well received, i.e. deemed valuable by the respondents.
The UK team changed "I expect to live in this neighborhood for a long time" into "I have no intention of moving from this neighborhood any time soon" as it reminded people of their aging (there were many elderly people in the sample).
- *Functioning.* 'Functioning' worked, and was kept in the original form. Although 'a little bit of the time' was hard to differentiate from 'some of the time' for some respondents.
- *Social inequality.* The questions 'some people got more support, because they belonged to a certain class, or because they had connections with powerful people' (F6_A1/ F6_A2) worked well in all contexts. Nevertheless, it was not clear whether people were referring to a positive (social inclusion) or a negative phenomenon (social exclusion). It was opted to include a prompt for negative and positive answers or to ask for a verbatim example to address this issue.
- *Traumatic events.* The question "Has someone tried to touch your private parts against your will or forced you to have sex?" was not asked in the UK and India due to cultural appropriateness. A team member mentioned: 'people could get beaten up as a result of asking this question?' In public settings, like in India where more people are around, people may not give an honest answer.
- *Community coping.* Not asked in the Philippines, and India. For example a question like "Taking the bull by the horns" was not easily understood in the Philippines, nor easily translated.
- *Perceived social support.* The questions on perceived social support were understood well.
- *Social capital.* The questions on social capital were asked in a hybrid manner (different sections from different questionnaires). We suggest using questions of the A-Scat (Harpham, 2003).
- *Psychiatric symptoms* were easy to answer and deemed relevant by both the respondents and the survey teams. The question "Has someone tried to touch your private parts against your will or forced you to have sex?" was omitted in several research sites as a result of local taboos to discuss the topic sex with strangers and for the reasons laid out above.

LOGBOOK WITH CHANGES IN THE INSTRUMENT ON THE BASIS OF LESSONS LEARNED AND CONCEPTUAL MODEL

	INSTRUMENT: (e.g. social questionnaire in Europe)	
	<i>Adaptation</i>	<i>Reason for adaptation</i>
1.	The questions on Received social support were deleted (section C; Social Core Questionnaire).	We suggest using questions of different questionnaires. No valid alternative identified.
2.	Exclude the first 5 questions on 'sense of community' (section D; question D1 to D5)	These questions are taken from various questionnaires and hence results are difficult to interpret.
3.	The questions on Communal Coping were omitted (section H; Social Extended Questionnaire).	The questions are too 'western' oriented. We suggest adopting questions of Earls (2003) an adaptation on collective efficacy as this questionnaire is shorter. This questionnaire has not been adopted yet as it needs to be changed according to the local context.
4.	We suggest changing the social capital questions for a different set of questions.	The questions on social capital were asked in a hybrid manner (different sections from different questionnaires). We suggest using questions of the A-Scat (Harpham, 2003).
5.	We suggest to adapt the question locally: "Has someone tried to touch your private parts against your will or forced you to have sex?" (Section K; question K15). For example in the UK the question was changed into: "Did you have difficulties maintaining a normal healthy relationship with your partner?"	Assessors who posed this question were confronted with local taboos to discuss the topic of sex with strangers.
6.	Regarding the response formats, we suggest using either answer cards or specifying the meaning of each number of the response format. These changes would make it easier for respondents to understand the method of using response scales, especially among populations who do not have experience with these types of surveys and response formats.	No changes adopted

CALIBRATED INSTRUMENT

B-INDIVIDUAL COPING

B1 How traumatic was this disaster experience for you *at the time*? *Not at all* *Extremely*
1 2 3 4 5

B2 To what degree did you believe that you were able to deal with the disaster situation? *Not at all* *Extremely*
1 2 3 4 5

		<i>Not at all</i>	<i>A little</i>	<i>Moderately</i>	<i>Quite a bit</i>	<i>Extremely</i>
B1	How traumatic was this experience for you <i>at the time</i>?	1	2	3	4	5
B2	To what degree did you believe that you were able to deal with the situation?	1	2	3	4	5

The disaster may have affected your life. People do different things to deal with the consequences of a disaster. I will ask you how much you did certain things to deal *with the consequences of the disaster*.

		<i>Not at all</i>				<i>Very much what I did</i>
B3	How much did you do things to take your mind off the disaster?	1	2	3	4	5
B4	How much did you try to think about the disaster in a different way so that it would not upset you so much?	1	2	3	4	5
B5	How much did you rely on your religious beliefs to help you deal with the disaster situation?	1	2	3	4	5
B6	How much did you try to think about possible ways to improve the situation after the disaster?	1	2	3	4	5
B7	How much did you do things to improve your situation after the disaster?	1	2	3	4	5
B8	Did you talk to anyone about the disaster experience?	1	2	3	4	5

How much did you *Not at all* *A little* *Moderately* *Quite a bit* *Extremely*

B3	do things to take your mind off the disaster?	1	2	3	4	5
B4	try to think about the disaster in a different way so that it would not upset you so much? (For example, tried to find something positive to come out of it.)	1	2	3	4	5

B5	rely on your religious beliefs to help you deal with the disaster situation?	1	2	3	4	5
B6	try to <i>think</i> about possible ways to improve the situation after the disaster?	1	2	3	4	5
B7	<i>do</i> things to improve your situation after the disaster?	1	2	3	4	5
B8	Did you talk to anyone about the disaster experience?	1	2	3	4	5

D- SENSE OF COMMUNITY

In every community, some people get along with others and trust each other, while other people do not. Now, I would like to talk to you about trust and solidarity in your community. Can you indicate if you strongly disagree, disagree, nor disagree nor agree, agree, or strongly disagree?

		<i>Strongly disagree</i>	<i>Disagree</i>	<i>Do not disagree/ Do not agree</i>	<i>Agree</i>	<i>Strongly agree</i>
D.6	I think my neighborhood is a good place for me to live.	1	2	3	4	5
D.7	People in this neighborhood do not share the same values.	1	2	3	4	5
D.8	My neighbors and I want the same thing from this neighborhood.	1	2	3	4	5
D.9	I feel at home in this neighborhood.	1	2	3	4	5
D.10	Very few of my neighbors know me.	1	2	3	4	5
D.11	I care about what my neighbors think about my actions.	1	2	3	4	5
D.12	I have almost no influence over what this neighborhood is like.	1	2	3	4	5
D.13	If there is a problem in this neighborhood people who live here can get it solved.	1	2	3	4	5
D.14	It is important to me to live in this particular neighborhood.	1	2	3	4	5
D.15	The people who live in this neighborhood get along well.	1	2	3	4	5

D.16 I can recognize most of the people who live in this neighborhood. 1 2 3 4 5

D.17 I have no intention of moving from this neighborhood any time soon. 1 2 3 4 5

E - FUNCTIONING AND QUALITY OF LIFE

Now I would like to ask you some questions about your health in general. Some questions may look like others, but each one is different.

E.1 In general, would you say your health is:

1. Excellent
2. Very good
3. Good
4. Fair
5. Poor

The following items are about activities you might do during a typical day. Does *your health now limit you* in these activities? If so, how much?

E.2 *Moderate activities*, such as moving a table, pushing a barrel of water, sweeping the house/compound or burning wood/charcoal¹

1. Yes, limited a lot
2. Yes, limited a little
3. No, not limited at all

E.3 Walking over a hill or climbing *several* flights of stairs

1. Yes, limited a lot
2. Yes, limited a little
3. No, not limited at all

During the *past 4 weeks*, have you had any of the following problems with your work or other regular daily activities *as a result of your physical health*?

E.4 *Accomplished less than you would like*

1. Yes
2. No

E.5 *Were limited in the kind of work or other activities*

1. Yes
2. No

During the *past 4 weeks*, have you had any of the following problems with your work or other regular daily activities *as a result of any emotional problems* (such as feeling depressed or anxious)?

E.6 *Accomplished less than you would like*

1. Yes
2. No

E.7 *Didn't do work or other activities as carefully as usual*

1. Yes
2. No

E.8 *During the past 4 weeks, how much did pain interfere with your normal work (including both work outside the home and housework)?*

1. Not at all
2. A little bit
3. Moderately
4. Quite a bit
5. Extremely

These questions are about how you feel and how things have been with you during the *past 4 weeks*. For each question, please give the one answer that comes closest to the way you have been feeling. How much of the time during the *past 4 weeks*...

E.9 *Have you felt calm and peaceful?*

1. All of the time
2. Most of the time
3. A good bit of the time
4. Some of the time
5. A little of the time
6. None of the time

E.10 *Did you have a lot of energy?*

1. All of the time
2. Most of the time
3. A good bit of the time
4. Some of the time
5. A little of the time
6. None of the time

E.11 *Have you felt sad?*

1. All of the time
2. Most of the time
3. A good bit of the time
4. Some of the time
5. A little of the time
6. None of the time

E.12 During the *past 4 weeks*, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting friends, relatives, etc.)?

1. All of the time
2. Most of the time
3. Some of the time
4. A little of the time
5. None of the time

E.13 Did you feel very nervous?

1. All of the time
2. Most of the time
3. Some of the time
4. A little of the time
5. None of the time

E.14 Have you felt so low, nothing could cheer you up?

1. All of the time
2. Most of the time
3. Some of the time
4. A little of the time
5. None of the time

E.15 Have you been happy?

1. All of the time
2. Most of the time
3. Some of the time
4. A little of the time
5. None of the time

F - COPING BEHAVIOUR AND SOCIAL PROTECTION,

Household Coping through self protection strategies

In Asia:

F1 Can you tell us how household coped with the disaster financially?

1. Sale of assets
2. Borrowed money
3. Other specify...

Please give details about them:

Relation ship to head of HH	Sale of Assets	Borrowing Money	Took extra work	Migrated for work due to disaster	Other

	Whose assets were sold?	Which assets were sold?	Were assets recovered or not after the disaster? 1. Yes 2. No	Who borrowed money?	From whom?	Please specify ...		Please specify ...
F1A	F1B	F1C	F1D	F1E	F1F	F1G	F1H	F1I

Relationship to head of the household	Which assets were sold?	From whom did you borrow money
F1A	F1C	F1F
1. Head of household 2. Partner of head of household 3. Son/daughter 4. Son/daughter in law 5. Grand son/daughter 6. Parents 7. Parents in law 8. Brother / sister 9. Step brother / sister 10. Grand father/mother 11. Servant 12. Others, specify...	1. Land 2. House 3. Livestock 4. Jewellery 5. Other personal belongings, specify...	1. Family / relative 2. Friend / acquaintance 3. Neighbour 5. Stranger 7. Local government 8. National government 9. Police / army 10. NGO 11. Media 13. Cooperative 14. Bank 15. Money lender 16. Religious Organisation 17. Building society 96. Other sources, specify.....

In Europe add:

Please tell me if you also did any of the following things...	CIRCLE ALL THAT APPLY	IF YES, who did this? INSERT CODE(S)	
used your savings	1		1. Respondent 2. Partner of [1] 3. Son/daughter 4. Son/daughter in law 5. Grandson/daughter 6. Parents 7. Parents in law 8. Brother / sister
used your credit card more	2		
used an overdraft on your bank account	3		

Other, please specify ...

96

9. Stepbrother / sister 10. Grandfather/mother 11. Servant 12. Brother/sister in law 13. Friend 96. Others, specify

F2 Given that the household has raised financial resources through above to cope with the disaster, please tell us who decided how it would be spent?

Fully self	Self to a large extent	Myself and spouse/others	Spouse/Others to large extent	Spouse/Others fully	If others, specify
2	1	0	-1	-2	-----

Changes in food pattern

In Asia:

Everyone ate less Women ate less Older people ate less Children ate less No adjustment at all

F3.1 **To what extent did you change your food pattern to cope with lack of resources due to the disaster?** **1 2 3 4 5**

F3.2 How would you describe your food situation before the disaster?

1. We always did not have enough to eat
2. We had some days when there was not enough to eat
3. We had several months when we did not have enough to eat
4. We always had enough food to eat

F3.3 How would you describe your food situation after the disaster?

1. We always did not have enough to eat
2. We had some days when there was not enough to eat
3. We had several months when there was not enough to eat
4. We always had enough food to eat

In Europe:

Did you change your food pattern due to the disaster? CIRCLE ALL THAT APPLY
--

Ate cheaper food	1
Ate less nutritious food	2
Ate more nutritious food	3
Ate different food than normal	4
Ate more erratically	5
Ate easier to prepare/less complicated meals	6
Ate more expensive food	7
Ate out more/had more takeaways	8
Ate less food	9
No change	10
Other, specify...	96

F- Household coping through Social Protection support

Now we would like to ask you some details about support you may have received after the flood. We are interested in learning about the kinds of support that helped you recover from the disaster or helped in preparing you for any future disasters.

Did you receive	1. Yes 2. No	Who gave the support? INSERT CODE
Disaster related information assistance		
Help in planning for this disaster		
Help in preparing for future disasters		
Support for legal issues		
Help in community organising (e.g. setting up community action groups related to the disaster)		

Who gave the support?	
1. Husband/wife/partner	4. Friends
2. Children	5. Government organisations
3. Other family members	6. Non-governmental organisations
88. Others, specify:.....	
98. Don't know	

F5 Which of these supports has made the biggest difference in your recovery? And why?

46 To what extent do you agree with the following statements in the context of the disaster?

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Neither agree nor disagree</i>	<i>Agree</i>	<i>Strongly agree</i>
Some people got more support because they belonged to a certain class, or other group	1	2	3	4	5
People who had better connections with powerful people got more support	1	2	3	4	5
Are you satisfied with the distribution of disaster response and recovery support to everyone in the community?	<i>Not at all</i>	<i>To a low extent</i>	<i>To some extent</i>	<i>To a high extent</i>	<i>To a very high extent</i>
	1	2	3	4	5

G-OTHER MAJOR LIFE EVENTS (extended)

Apart from the disaster(s) you mentioned, you have experienced other stressful or disturbing events. I will name some of these possible events. Can you tell me if you have experienced this or not?

	<i>No</i>	<i>Yes</i>
G1_1 Have you ever been separated from your family against your will? (E.g. by a stranger, police officer, soldier, fleeing your homeland)	1	5
G1_2 Has someone died in your life that you really cared about?	1	5
G1_3 Have you had a life threatening medical problem?	1	5
G1_4 Have you been involved in a serious accident? (e.g. involving a car or an on-the-job accident)	1	5
G1_5 Have you ever experienced a war or an armed military conflict going on around you in your country of birth?	1	5
G1_6 Has someone ever hit, kicked, shot at or some other way tried to physically hurt you?	1	5
G1_7 Has someone ever tried to touch your private sexual parts against your will or forced you to have sex?	1	5
G1_8 Have you been a victim of a violent crime such as robbery or assault?	1	5
G1_9 Did you ever lack food and water?	1	5
G1_10 Did you ever lack shelter?	1	5
G1_11 Did you experience any other very stressful life events where you thought that you were in great danger of losing your life or of being seriously injured?	1	5
G1_12 Did you witness any of the events in this list happening to someone else?	1	5
G1_13 Other traumatic event, specify	1	5

1.A	Employment/work related	1	5
1.B.	Neighbourhood association or co-op	1	5
1.C	Education related	1	5
1.D	Women's group	1	5
1.E	Political group	1	5
1.F	Youth group (e.g. music, sports, art, dance etc.)	1	5
1.G	Religious group	1	5
1.H	Health/water committee	1	5
1.I	Other, specify.....	1	5

	<i>No</i>	<i>Yes, once</i>	<i>Yes, a few times</i>	<i>Yes, often</i>
2. During the last twelve months, did you receive from the group any economic help or assistance in helping you know or do things?	1	2	3	4
3. In the last 12 months did you receive from the group(s) any help in comforting/encouraging you?	1	2	3	4
4. In the last 12 months did you receive from the group(s) any help in improving your economic situation?	1	2	3	4
5. In the last 12 months did you receive from the group(s) any help in knowing and doing things?	1	2	3	4

The following questions have nothing to do with any group.

	<i>No</i>	<i>Yes, once</i>	<i>Yes, a few times</i>	<i>Yes, often</i>
6. In the last 12 months did you receive any help or support from anyone, in the sense of comforting when something bad happened? (e.g. death of a loved one)	1	2	3	4
7. In the last 12 months did you receive any help or support from anyone in the sense of encouraging when something good happened? (e.g. a wedding).	1	2	3	4
8. In the last 12 months did you receive any help or support from anyone, in the sense of improving the your economic situation.	1	2	3	4
9. In the last 12 months did you receive any help or support from anyone, in the sense of knowing and doing things?	1	2	3	4
10. During the last 12 months, have you joined together with other members of	1	2	3	4

the commune to address a problem or common issue?

11. In the last 12 months, have you talked with a local authority or governmental organization about problems in this community? 1 2 3 4

	<i>Not at all</i>	<i>A little</i>	<i>Most of the time</i>	<i>Completely</i>
12. In general, are many people in this commune satisfied with local leaders?	1	2	3	4
13. In general, can the majority of people in this commune be trusted?	1	2	3	4
14. Do the majority of the people in this commune generally get along with each other?	1	2	3	4
15. Do you think that you are really part of the commune?	1	2	3	4
16. In general, do you feel safe in this commune?	1	2	3	4
17. In your commune, do people have a community of visiting each other?	1	2	3	4
18. Do you think that a majority of the people in the commune would take advantage of you if they got the chance?	1	2	3	4

K - PSYCHIATRIC SYMPTOMS

The questions that follow deal with common reactions of people who went through a disturbing event. I would like to know if you experienced some of these reactions after the natural disaster. Please indicate how much you have been bothered by that problem in the past month?

		<i>Not at all</i>	<i>A little</i>	<i>Quite a bit</i>	<i>Extremely</i>
K1	Suddenly scared for no reason	1	2	3	4
K2	Feeling fearful	1	2	3	4
K3	Faintness, dizziness or weakness	1	2	3	4
K4	Nervousness of shakiness inside	1	2	3	4
K5	Heart pounding or racing	1	2	3	4
K6	Trembling	1	2	3	4
K7	Feeling tense or keyed up	1	2	3	4
K8	Headaches	1	2	3	4
K9	Spells of terror or panic	1	2	3	4
K10	Feeling restless and can't sit still	1	2	3	4

K11	Feeling low in energy, slowed down	1	2	3	4
K12	Blaming yourself for things	1	2	3	4
K13	Crying easily	1	2	3	4
K14	Loss of sexual interest or pleasure ²	1	2	3	4
K15	Poor appetite	1	2	3	4
K16	Difficulty falling asleep, staying asleep	1	2	3	4
K17	Feeling helpless about the future	1	2	3	4
K18	Feeling blue	1	2	3	4
K19	Feeling lonely	1	2	3	4
K20	Thoughts of ending your life	1	2	3	4
K21	Feeling of being trapped or caught	1	2	3	4
K22	Worrying too much about things	1	2	3	4
K23	Feeling no interest in things	1	2	3	4
K24	Feeling everything is an effort	1	2	3	4
K25	Feeling of worthlessness	1	2	3	4

			<i>No</i>	<i>Yes</i>
K26	Did you during the disaster experience or witness a life threatening situation or a severe injury ?		1	5
K27	Did you during the disaster experience intense anxiety, helplessness or disgust?		1	5

During the last month or longer did you suffer from...

		<i>Not at all</i>	<i>A little</i>	<i>Moderately</i>	<i>Quite a bit</i>	<i>Extremely</i>
K28	Repeated, disturbing <i>memories thoughts or images</i> of the disaster?	1	2	3	4	5
K29	Repeated disturbing <i>dreams</i> of the disaster?	1	2	3	4	5
K30	Suddenly <i>acting or feeling</i> as if the disaster were happening again (as if you were reliving it)?	1	2	3	4	5
K31	Feeling <i>very</i> upset when <i>something</i> reminded you of the disaster?	1	2	3	4	5
K32	Having <i>physical reactions</i> (e.g. heart pounding, trouble breathing, sweating) when <i>something</i> reminded you of the disaster?	1	2	3	4	5
K33	Avoiding <i>thinking about or talking</i>	1	2	3	4	5

² Change question to local context. An example from the UK: "Difficulties maintaining a normal healthy relationship with your partner."

	about the disaster or avoiding <i>having feelings</i> related to it?					
K34	Avoiding <i>activities or situations</i> because <i>they reminded</i> you of the disaster?	1	2	3	4	5
K35	Trouble <i>remembering important</i> parts of the disaster?	1	2	3	4	5
K36	<i>Loss of interest</i> in activities that you used to enjoy?	1	2	3	4	5
K37	Feeling <i>distant</i> or <i>cut off</i> from other people?	1	2	3	4	5
K38	Feeling <i>emotionally numb</i> or being unable to have loving	1	2	3	4	5
K40	Feeling as if your <i>future</i> somehow will be <i>cut short</i> ?	1	2	3	4	5
K41	Trouble <i>falling</i> or <i>staying asleep</i> ?	1	2	3	4	5
K42	Feeling <i>irritable</i> or having or having <i>angry</i> outbursts?	1	2	3	4	5
K43	Having <i>difficulty</i> concentrating?	1	2	3	4	5
K44	Being " <i>superalert</i> " or watchful or on guard?	1	2	3	4	5
K45	Feeling <i>jumpy</i> or easily startled?	1	2	3	4	5

K46 You said that you had problems after the disaster like (PROVIDE TWO EXAMPLES CODED 5 FROM E28-E45). How soon after the disaster did you start to have any of these problems?
CODE LOWEST NUMBER.

SAME DAY.....1
THAT WEEK.....2
THAT MONTH.....3
WITHIN 6 MONTHS.....4
WITHIN 1 YEAR.....5
MORE THAN 1 YEAR.....6

IF MORE THAN 1 YEAR, ASK: How old were you ? AGE: ____/____

K47 How long did you continue to have any of these problems because of the disaster?
CODE LOWEST NUMBER.

LESS THAN 1 WEEK.....1
LESS THAN 1 MONTH.....2
LESS THAN 6 MONTHS.....3
LESS THAN 1 YEAR.....4
MORE THAN 1 YEAR.....5

K48 When was the last time you had any of these problems as a result of the disaster?

SAME DAY.....1
THAT WEEK.....2
THAT MONTH.....3
WITHIN 6 MONTHS.....4
WITHIN 1 YEAR.....5
MORE THAN 1 YEAR.....6

AGE REC: ____/____ (age when event occurred)

		<i>No</i>	<i>Yes</i>
K 49_A	Did you tell a doctor about the problems that occurred as a result of disaster?	1	5
K 49_B	Did you tell any other professional?	1	5
K 49_C	Did you take medication, or use drugs or alcohol more than once for the problems, which occurred as a result of it?	1	5
K 49_D	Did the problems which occurred as a result of it interfere with your life or activities a lot?	1	5
K 50	Have you ever been very upset with yourself for having the problems which occurred as a result of the disaster?	1	5
K 51	Have the problems which occurred as a result of the disaster ever kept you from going to a party, social event or meeting?	1	5
