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Attachment 1. ETHICAL REVIEW COMMITTEE, ICODR, B. Dr. Lokky Wai Trainee Investigator (if any) Nurul Alam Principal Investigator Application No. 88-031

Supporting Agency (if Non-ICDDR, B)

Title of Study Women's status and Health Project status: New Study

of women and children: A study in Continuation with change No change (do not fill out rest of form) Teknaf.

Circle the appropriate answer to each of the following (If Not Applicable write NA). Will signed consent form be required: 5. 1. Source of Population:

(Yes) No From subjects (No) Yes (a) III subjects (a) (b) From parent or guardian (Yes) Non-ill subjects (b) (if subjects are minors) (Yes) No Minors or persons (c)

Will precautions be taken to prot ct Yes under guardianship anonymity of subjects Does the study involve:

7. Check documents being submitted herewith to (a) Physical risks to the Committee: Yes subjects

Umbrella proposal - Initially submit an Yes (b) Social Risks overview (all other requirements will Psychological risks (c) be submitted with individual studies). Yes

to subjects Protocol (Required) Yes (No) (d) Discomfort to subjects Abstract Summary (Required) Invasion of privacy Yes (e)

Statement given or read to subjects on Disclosure of informa-(f) nature of study, risks, types of questtion damaging to subions to be asked, and right to refuse Yes lect or others

to participate or withdraw (Required) Does the study involve: Informed consent form for subjects Use of necords, (hosp-Informed consent form for parent or

Ital, medical, death, guardian No birth or other) Procedure for maintaining confidential-Use of fetal tissue or (b)

(NO) ity abortus Questionnaire or interview schedule * Use of organs or body (c) If the final instrument is not completed Yes (No) fluids

prior to review, the following information Are subjects clearly informed about: should be included in the abstract summary Nature and purposes of A description of the areas to be study

covered in the questionnaire or Procedures to be (b) interview which could be considered followed including either sensitive or which would alternatives used No constitute an invasion of privacy. Physical risks (No) (c)

Examples of the type of specific No (Yes) (d) Sensitive questions questions to be asked in the sensitive Benefits to be derived (e) areas. Right to refuse to (f)

An indication as to when the question participate or to withnaire will be presented to the Cttee. No draw from study

for review. Confidential handling No of data Compensation 6/or treatment where there are risks

We agree to obtain approval of the Ethical Review Committee for any changes involving the rights and welfire of subjects before making such change.

Nesel Acti-Principal Investigator

or privacy is involved in

any particular procelure Yes (No

(g)

(h)

(PTO)

88-031 24,11,88

SECTION I: RESEARCH PROTOCOL

- 1. "Women's Status and Health of Women and Children: A Study in Teknaf"
- 2. Principal Investigators: Dr. Lokky Wai Nurul Alam

Co-Investigators:

- a. Logistic and Design Dr. Michael Strong
- b. Iraining Rezina Mita Dr. M.H. Munshi Fazilatun Nessa
- c. Fechnical Services Nizam U. Khan Abdul Razzaque
- d. Operations D.B. Chakma M. Umra
- 3. Starting Date: January 1, 1989
- 1. Completion Date: December 31, 1989
- 5. Total Increment Cost: U.S. Dollar 9,613.00
- 6. Scientific Division: Population Science and Extension (PS&ED)

 This protocol has been approved by the PS&E Division.

Date: 2'4 (1) 8

7. Abstract Summary:

This exploratory study attempts to examine the impact of women's household and socio-economic status on the physical well-being of themselves and their children in four villages of Teknaf, Bangladesh. It also attempts to understand the nature of Teknaf's rural family life and the direct effects of this social environment on the quality of life of women and young family members. Certain aspects of the socio-cultural environment of rural Teknaf will be examined with a view to identifying issues and opportunities for all family members (male and female) to

participate in, and share more fully in the benefits of agricultural and health development. A random clustered sampling scheme will be used to select a 10% sample of women living in four DSS-Teknaf village areas. Three structured questionnaires are constructed and to be used in three different stages of data collection in a period of three months.

8.	Review:	l .
	a. Ethical Review Committee:	
	b. Research Review Committee:	
	c. Director:	

SECTION II: RESEARCH PLAN

- A. Introduction
- 1. Objectives:

The objectives of this protocol are as follows:

- a. to examine the familial, social and economic status of women in the Teknaf area;
- b. to evaluate the impact of family structure on the status of women;
- c. to study the impact of women's status on their own health and nutritional status as well as that of their children;
- d. to investigate the mechanisms through which women's status at home and in the community affect the physical well being of women and children; and

2. Background

Rural Bangladesh, like many other developing countries, has a social structure in which well-structured and rigid sex and economic stratification systems play an important role (Mabud, 1985). Families are to a large extent patriarchal, with the male head as the primary decision maker. After marriage, children may continue living with their parents in a joint family system which is very common, or may settle separately within a nuclear family system.

In the rural household of Bangladesh, a woman is responsible for the nutrition, health, and the reproduction of the human capital for the family. The extent of the these activities depends largely on the stage of family in the domestic cycle. Young families with young unproductive children, or middle-aged families with children school age, make large demands on female labour to cook, collect fuel and water, and care for children. This input may off households age and as 88 children become productive members of the household, although her contribution to family and management of the household remains to be o f substantial. Despite women's indispensable roles households, researchers and health planners continue to pay attention to the relationship between their social, economic and health status and the well being of their children. It is the intention of this protocol to focus on this issue in a conservative /area of Bangladesh.

3. Rationale

Since the 1970's, a fair number of studies (Mabud.1985: Jorgensen, 1983; Westergaard, 1983; Chaudhury and Ahmed, 1980: 1977) have been conducted to investigate the status of women in Bangladesh and their contribution to rural and While there is no longer any dispute on the facts development. women in Bangladesh play a very low profile in household making, that the majority of them have to endure the agonies of the dowry system and the strict restrictions imposed them on their exposure to strangers, and that they receive their uncashable essential little recognition o f but households contributions their and to rural to (Westergaard, 1984), yet, little is known, scientifically, the contribution of women to the physical well being of the young their households. of Less is known about the causal relationships betweem women's household and social status. health and nutritional status, and the health and physical well being of their children.

A number of attempts, however, have been initiated by the ICDDR of Bangladesh to examine the interrelationships socio-economic status, mother's household education. infant and child mortality (D'Souza and Bhuiya, 1982; Bvuiva et al.,1986). These studies tend to reveal a negative relationship between household status, mother's education, mortality. Some other studies have (D'Souza and Chen, Chen, Hug and D'Souza, 1981) also found that female children tend to have higher mortality than their male counterparts. differential in mortality has been attributed to discrimination female children within households where females tend receive less food and less medical attention. Although none these studies had the intention of correlating women's with health and nutrition of women and children, they nonetheless implied the significant impact of women's status (using education as an indicator) on an extreme condition of health, i.e., death.

importance of maternal education in reducing risks infant and child morbidity and mortality have been documented in Bangladesh (Bhuiya, et al.,1986a, Bhuiya, Zimicki, 1986b) as well as in other developing countries (Caldwell, 1979). argued that the positive impact of maternal generally. education on infant and child mortality is mainly due to the fatalistic attitudes and behaviour of towards their children's health. On the other hand, one can argue that the association between low maternal education child morbidity and mortality is due, simply, to the fact that less educated women tend to come from households of lower economic status and children from poor households tend to receive inadequate food and care and therefore, are at a higher risk of getting sick and dying. The problem of this argument is that it explain why female children have a higher risk their male counterparts who come from the same economic background and are, interestingly, biologically weaker.

Obviously, household socio-economic status and maternal education alone cannot fully explain this complex relationship.

accept the general finding that women are providers of nutrition and health to their family then the higher morbidity and mortality of female children only be attributed to the attitudes and behaviour of the mothers, which discriminate against the daughters. There are two possible that a mother may discriminate against her daughter(s). The first reason is that the mother accepts and internalizes norm and opinion that women should enjoy a lower status than men and therefore should get a smaller share of whatever it is and affection) than men. Another possible reason is the mother in the household is completely dominated by her (e.g. her husband) and other female family members (e.g. motheran extended family) and that she has little or authority i. n deciding who should get more food and care. be pointed out here that the status of women is a multidimensional concept and should be measured not only in terms social, educational and economic criteria but also be in terms of perceptual criteria. Both of the above situations point to the that women suffer from low statuses denominator households. As many studies have revealed (Alamgir, 1977; UNDP, 1984), both reasons are probably responsible.

- What remains unclear and little researched in the women's status and child health is the mechanisms through women's status affects infant and child health. These mechanisms may include such variables as awareness and knowledge environmental risks. hygienic behaviour, disease prevention, and immunization and child spacing. Very few Ahmed, 1980) have and also been done interrelationships between family structure, status of women and Since women's activities are mostly restricted to homestead. it is natural to think of family (e.g.nuclear Vs extended) as a major factor in the shaping of the status of women at home which in turn affects child health.

The focus of this present study is therefore on the interrelationships between family structure, women's status and the health and nutritional status of children in Teknaf, paying special attention to the mechanisms through which health and nutrition of children are affected by women's household, social and health status.

Associated with the lack of scientific knowledge in the area of women's status and child health is the failure of social scientists to operationalize and quantify the concept of women's status in Islamic countries. Two recent studies (Wai and Freedman, 1986; Freedman and Wai, 1988) in Pakistan on the status of women in rural areas used a multi-dimensional approach (by using social, economic, familial and psychological indicators) to measure the concept of women's status and have demonstrated the usefulness of this approach. It is therefore the intention of

this study to use and to test the applicability of this set of tools in the studying of status of women in Teknaf, a remote area of Bangladesh.

B. Specific Aims

Good health is a prerequisite to a dignified and productive life. Women provide the bulk of family health care. Yet, their ability to perform this function has often been severly hampered by various social, familial, economic, and health factors through different mechanisms. The present endeavour will attempt to contribute to the understanding of this complex issue by studying the Teknaf women of Bangladesh.

This study will assess the social and economic activities of women and their respective status in various family structures and evaluate how these variables affect the health status of women and their children. Specifically, we aim at:

- a. evaluating the economic contributions of women in agricultural and non-agricultural productions at various stages of family life cycle;
- b. exploring the relationship between women's social and economic activities and their respective family and household structures;
- c. testing the relationship between women's social and economic activities and health and nutritional status of women and their children;
- d. investigating the mechanisms through which women's status and their subsequent health and nutritional status affect the health and nutritional status of their children; and
- e. to identify ways of incorporating women as beneficiaries of development projects.

C. Methods and Procedures

The study will be carried out in four villages (Teknaf, Langurbill, Subrang, and Shabpuridwip) of Teknaf where ICDDR, B has been maintaining a Demographic Surveillance System (DSS) since 1976. The two most remote villages of Teknaf-DSS, with a population of about 16,000, will not be included in this study due to logistic and accessability difficulties. The basic demographic characteristics of the villages are presented in Appendex A.

1. Sampling Frame and Sampling Unit:

Village and para wise list of women in their reproductive age is available with Teknaf-DSS. From each para or sub-unit of

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the village, a cluster of 10% women will be selected for under a random clustered sampling scheme. The first sampling unit (woman) is selected randomly and the rest will be from the subsequent sampling units women following first sampling unit. This sampling scheme minimizes travelling time and cost and facilitates supervision field.

2. Demographic Data:

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All demographic data, including cause of death, mortality, migration and marriage related to the respondent, her and her family members (husband, in-laws, etc.), where possible and necessary, will be derived from the Teknaf registration forms. For information relating to the nutritional levels o f the children, women and their anthropometric measurements (using circumference arm and height) will employed. Information relating to health, attitudes various social and familial issues, roles, household and economic responsiblities, decision making power, KAP, desired family size, etc. will be obtained through structured questionnaires.

3. Questionnaire:

Three sets of questionnaires will be developed in collect information from the selected female respondents different periods or stages of the study. English version of the questionnaires is presented in Appendix II of this protocol. The questionnaires are designed in such a way that the less sensitive and most general issues are addressed first set of the questionnaire which will be administered on the respondents in the beginning of the study, before rapport can be developed between the respondents and the interviewer. sensitive issues, such as knowledge and contraception, are dealt with in the later sets of questionnaire, after certain amount of rapport is developed. In addition. of questionnaire deals with a specific number of issues or The first part or set of the questionnaire deals with the respondent's general personal and family background, socio-economic status of her household. This first set will administered in the first month of the field study. questionnaire set (Part II) which will be administered second month of the field study probes information on such issues as vaccination and immunization, breastfeeding, common diseases and treatment, awareness of health prevention procedures, and the general health status of the respondents and their children. the end of this questionnaire, the interviewer will request to allow her to measure and record circumference and height of the respondent and her children under five years of age. The last set of the questionnaire deals with decision making power in the household, the towards several family and social issues, fertility and old age security. This questionnaire will be administered in the last month of the survey.

Each selected household will be visited trice during the entire duration of the study. In each visit, the respondent will be requested to provide information to a set of structured questions. It is expected that the first round of visit to each of the sampled women will be completed in 30 days, that is, within the first month of the field work. The second and third rounds are expected to finish in 40 and 20 days respectively. The whole work of interviewing will therefore take about 3 months. Measurement of the children and the mothers will be started from the second visit after the field workers gain some acquaintance with the mothers and other household members.

The field work, including training of interviewers, is planned for four months starting from the first week of January and ending in late April. Four female interviewers, preferably from the District of Cox's Bazaar, will be engaged for doing interviewing who will be assisted by the DSS-Teknaf HA's and supervised by a Field Research Officer. Before the beginning of the field work, the interviewers will be given a two-week training by two female experts on the techniques of interviewing and measuring arm circumference and height. Every effort will be taken to standardize the interviewing and measuring procedures.

4. Data Analysis:

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Information collected from the interviews will be coded and entered into a main frame computer in Dhaka. Once the data are cleaned and edited, bivariate and multivariate statistical techniques can be applied to analyze the data. The major part of the analyses will be organized as follows:

- anthropometric measurements (arm circumference and height) will be converted into standard indices,
- 2. The relationship between family structure, socio-economic status of the household, women's educational level and women's status and patterns of time consumption in the household will be analyzed using multivariate statistical techniques,
 - 3. the impact of women's status on women's knowledge about environmental and behavioural health hazards and disease prevention will be examined,
 - 4. the impact of women's awareness and knowledge about environmental and behavioural health hazards and disease prevention on the health status of the women themselves as well as that of their children will be evaluated, and
 - 5. A causal model will be constructed to evaluate the causes and effects of all the independent and intermediate variables on the health of mothers and children. Path analysis will be employed to evaluate the robustness of this model.

4. Significance

study will provide invaluable information to the understanding of the mechanisms through which women's status impacts upon the health and nutritional status of their children. Currently, such kind of information is lacking in developing countries, and more so, in Teknaf. The information collected this suvey will also add to the knowledge about the complex relationship between family structure and women's status Bangladesh. Further, this study will serve as an exploratory of the social, economic and physical well being of the women of Teknaf. It is hoped that the knowledge gained from this study will facilitate planners and policy makers in formulating strategies aimed at promoting the well-being and the status women.

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Abstract Summary - Particular Items

- 1. Not applicable.
- 2. There is no risks; social, legal or otherwise. However, there may be possibility of invasion of privacy.
- 3. Not applicable
- 4. Data will be analyzed and published in aggregate form and there is no possiblility of identifying individuals.
- 5. A verbal consent form will be approved by the head of the household before starting interviewing.
- 6. Interview will take place at respondent's house and the questionnaire will take about 30 minutes to complete.
- 7. No direct benefits to individual respondents; however, the study will provide a better understanding of the roles and status of women in Teknaf households and their impact on mother and child health which will be an aid to future health intervention programs.
- 8. Use of birth, death, migration, marriage, and previous census records maintained by the DSS Project.

Statement of Confidentiality

Verbal consent will be obtained from the head of the household or mother of the children. Implied consent will be assumed for other family members.

Information for identification purposes (name, para, DSS registration number) will appear on the questionnaire for linking purposes. However, the staff members who are responsible for data collection and processing are trained and instructed to mainiain confidentiality of information.

After the data are collected and linked, all analyses will be done using aggregate information. It will be impossible to identify individual respondents.

Verbal Consent Form

The International Centre for Diarrhoeal Disease Research, Bangladesh is planning to collect information on women's roles and activities in their households and their knowledge and awareness of various health related issues relevant to themsevles and their children. In addition some questions relating to household socio-economic status will be asked. The interviewing process will take only about half an hour. The information supplied by you will be treated as confidential.

You may at any time refuse to answer any question that you think inappropriate or ask the interviewer to explain to you questions that you do not understand.

Do you have any questions now?

Do you agree to participate?

SECTION III: BUDGET

A. Detailed Budget

1. Personnel:		Davi	D		/ Hk		roject's
Job Title		Pay level	Percent time	t Man mon		nıy	requirements in Taka
			 ,				
Senior Interviewer [4]	}	GS4	100	16	8,	416	134,656
Field Research Office	r	GS5	100	4	11,	264	45,056
Data Processing Assist	tant	GS4	100	3	8,	416	25,248
Data Entry Technician		GS3 ·	100	1	ź,	800	7,008
			•				211,968
2. Local Travel:			`				
		No	. of	Per	diam		
Traveller's	No.o		rson/			Air	Total
job title	trip		ys 	Rate	Amount	fare	
PI:							
Dhaka/Teknaf/Dhaka	6	2	2	192	4,224	9,600	13,824
Co-investigator:					•		
Dhaka/Teknaf/Dhaka	6	2	2	192	4,224	9,600	13,824
							27,648
3. Materials & Suppli	es:						
- Printing of question	naire	!					10,000
- Stationeries & offic	e sup	plies					5,000
	•						15,000
4. Computer charges						-	48,000
5. Other contigencies	i					•	5,000
					Tota	al Taka	: 307,616

Summary Budget

Category	Total requirements in Taka
1. Local salaries	211,968
2. International salaries	-
3. Local travel	. 27,348
4. International travel	-
5. Supplies and materials	15,000
6. Inter-departmental services	48,000
7. Other costs	5,000
	Total Taka: 307,616
@ Taka 32.00 = 1 US dollar =	Total US\$ 9,613

Reviewed by Budget Office

APPENDIX - I

Village Characteristics June 30, 1985

Village	Population in 1985	% of women 15-49
Teknaf	21,624	21
Langurbill	8,250	20
Subrang	,14,984	21
Shabpuridwip	12,148	20
Total	57,006	20.5

Lïve Births	Infant Deaths	IMR	Children <5
1,236	139	112	4,570
392	58	148	1,714
792	89	112	3,008
683	96	141	2,518
	Births 	Births Deaths 1,236 139 392 58 792 89	Births Deaths IMR 1,236 139 112 392 58 148 792 89 112

APPENDIX II

Questionnaire - Part I

Respondent's Background and Household Information

Village	F	ara		-		
Unit No	Ser	ial No	_ Hou	sehol	d No	'_
Relationsh	ip of Interv	iewee to head o	f hous	eholo	i	
Age of Res	pondent	-				
Section A				·	· ··	
or are mabsent, o	ersons eithe embers of th	t persons are pare members of are members of are not membe	f your ually	'fami live	.ly and li here but	ve here, who are
Name	Reg. I.D.	Relation to	Sex	Age	Marital Status	Resid. Status
		1		 		
		,				
			<u></u>			
						
			- 			
	-					
	,					
					- -	
a. What l. nev 4. div	is your presect of the control of th	for the following sent marital state 2. married 5. widowed	atus?	3. :	separated	
		5. widowed	-	ice wl	ien?	

l	o. How many times have you been married?
c	e. How old were you when you were (first) married?
(d. Are you the first and only wife of your husband?
	1. first and only 2. first but not the only 3. not the first but the only 4. neither first nor only 9. don't know
e	. What was your kinship relationship with your husband before you were married?
f	. Was your marriage arranged? 1. yes 2. no
	If yes, who arranged the marriage?(specify relation to you
g	. Compare the status of your family with that of your husband?
	Is it 1. higher 2. Same 3. lower ?
3.	What level of education have you obtained? No. of years
1	00. None 01. some primary 02. completed primary 03. some secondary 04. completed secondary 05. some higher secondary 06. completed higher secondary 07. some bachelor's 08. higher than bachelor's
4. 1	What level of religious education have you completed?
(O. none 1. can read the Koran C. elementary education in mosque or neighbourhood G. middle level 4. advanced level
5. I	How well can you read or write?
1	D. not able to read or write (illiterate) L. read Bangla only D. read and write Bangla with difficulty D. read and write Bangla and/or English easily
6. b	How many children have been born to you who were live at sirth?
7.	How many children have been born to you who were not alive at birth?
8.	Please give us some information about all of your births,

a.	b. I.D.	c. Age	Sex	Your Age at Birth	f. If child died, age at death	Any physical disability (specify)	Attending school? 1. yes 2. no	of educ.
								
								
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							ľ	
-	···-		- -		·			
5	_						:	
a. HOW	tong ag	o was	this	dwelling	constructed	? .		
1 3	less	than 5 20 yea	year Irs		2. 5 - 10 ye 1. more than			
3	. 11 - :	20 yea	ırs		l. more than			
3 10. Str	. 11 - :	20 yea of the	rs e larg	est room:	l. more than			
3 10. Str Wa 1.	. 11 - : ucture (lls straw	20 yea of the - 2. ba	rs e larg Roof umboo	est room: 3. wood	l. more than	20 years 5. brick		
3 10. Str Wa 1. :	. ll - : ucture lls straw mixed kn	20 yea of the - 2. ba utcha	Roof unboo	est room: 3. wood	Floor 1 4. tin ca 8. cemem	20 years 5. brick		,
3 10. Str Wa 1. : 6. :	. 11 - : ucture lls straw mixed kn	20 yea of the 2. ba utcha s in t	Roof whis d	est room: 3. wood semi-pucc welling?	Floor 1 4. tin ca 8. cemem	20 years 5. brick		, , , , , , , , , , , , , , , , , , ,
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3 10. Str Wa 1. : 6. : 11. No	. 11 - : ucture lls straw mixed kn of rooms	20 yea of the 2. ba utcha s in t	Roof Whis deer	est room: 3. wood semi-pucc welling? Structu	Floor 1 4. tin ca 8. cemem	20 years 5. brick t Length Length	Breadth Breadth	
3 10. Str Wa 1. : 6. : 11. No : 12. Size	. 11 - : ucture Ils straw mixed kn of rooms e of str	20 yeanof the 2. bandatcha s in the ructur	Roof Roof T. his dee?	est room: 3. wood semi-pucc welling? Structu Structu	Floor f 4. tin ca 8. cemem ure No. 1	20 years 5. brick t Length Length bers of your	Breadth Breadth household	 ?
3 10. Str Wa 1. : 6. : 11. No 12. Size Mons	. 11 - : ucture lls straw mixed lu of rooms c of str	20 year of the 2. bar utcha s in the ructur majo a.	Roof Roof T. this decer	est room: 3. wood semi-pucc welling? Structu Structu rce of wa	Floor 1 4. tin ta 8. cemem are No. 1 are No. 2	20 years 5. brick t Length Length bers of your c. bat	Breadth Breadth household thing	? ? d. washi

14. What kind of toilet facility	does your hous	sehold have	?
For adult male members _ adult female members children		3. 4. 5.	pit open field water-seal latrine pucca latrine front or back yard anywhere
15. Do you have, right now, a cak	e of soap on	the premi s e	s?
1. yes 2. no	. •		•
16. Do you or your household memb	ers keep any 1	medicine at	home?
1. yes 2. no			
If yes, for what purpose?			•
17. What do you use for cooking y	our food?		
primary: 1. wood 2. dung	cake 3. kerd	osene 4. s	straw or dry leaves
secondary: 1. wood 2. dung	cake 3. kerd	osene 4. s	straw or dry leaves
18. Does your household have to p			
If yes, amount paid last year	?	takas	
19. In the last Eid-ul-azha, did :	you sacrifice	any animals	· • ?
cattle buffaloe how many?	es	goats	<u></u>
If yes, what was your share?	out of		
20. Do you have any servants work	•		;
yes, how many for wages	no		
21. Does anyone of your household		e anv remit	lance from relatives?
yes, total amount tak			
22. Check below if your household	has the follo	wing items:	
1. motorcycle	yes no	how many	?
2. motorized fishing boat	yes no		
3. unmotorized fishing boat	yes no		•
4. country boat 5. cassette radio	yes no		
6. radio only	yes no		

χ.

	7. bicycle	yes	no		
	8. sewing machine	yes	no		
	9. clock	yes	no		
	10. wrist watch	yes	no		
	ll. dinner set	yes	no		
	12. wooden furniture	yes	no		
	13. electric generator	yes	no		
	14. fishing net	yes	no		
	· ·				
23.	Does your household own land?	1. yes	s	2. no	
	If yes, proceed to ask the que Q15c	estions	below.	If no, skip to	
	a. How much land does your house	sehold c	wn?	decimals	
	b. How much of the land that yo	our hous	sehold (owns is leased-out?	decimals
	c. How much land does your hous	ehold 1	.ease fi	rom others? dec	imals
24.	Did your household hire any far	om labou	rers i	n the previous season?	
	yes, how many no				
25.	Have you or any of your househo year or this season?	old memb	ers wo	rked as a labourer in t	he last
	1. yes 2. no				
26.	Relative to other village house	holds,	do 3/ou	consider your househol	d:
	1. very rich 2. rich 3	3. not r	rich but	t not poor 4. poor	5. very poor
27.	In the past year, did you or an persons or households?	y of yo	ur hous	schold member borrow mo	ney from other
	1. yes 2. no				
	If yes, why?				
	1. poverty	2. to	set up	business	
	3. to purchase animals	4. to	purchas	se farm equipment	
	5. to purchase medicine	6. to	pay for	r medical expenses	•
	7. other, specify		-		•
				*	

Section B

Read the respondent the list of activities in the left hand column. Note that this list is divided into two sections: Routine Activities, that is, activities that she is likely to do every day; and Occasional Activities, that is, activities she is likely to do once a week or more but not every day. For the first group of activities, Routine Activities, ask the respondent first whether she has done the activity everyday in the past week. If not every day, then how many days during the week does she normally do these activities. Finally, ask her how many hours in the day does she commit to this activity.

For the Occasional Activities, ask her first how many days in the last seven days she has done this activity. Then ask, for the times she has done these

activities, how many hours has she spent doing them.

In some cases, a respondent may not have done any of these activities in the last week because of illness or travel or other exceptional reasons. In other words she may normally do these Occasional Activities once or twice a week, but in the past week she has not done so. In these cases, ask the respondent to tell you her activities in a 'typical' week, that is, a normal week.

	ne ities	1.yes 2.no	7 days	On the days you did this, how many hours did you spend?	this?	activity, who does?
Obtaining Water						
Obtaining i	fuel, g cake	•.			· ·	
Cooking for family	ođ					
Caring for children an house	ıd					
Care for livestock		ţ			,	** ** ** ** ** ** ** ** ** ** ** ** **
Cleaning po and house	ots		-		· — - · · · · · · · · · · · · · · · · ·	
Washing Clo	thes				1	
Working in	_	· · · · · · · · · · · · · · · · · · ·	, # · · · · · · · · · · · ·	**		

29.	Occasional Activities	How many days this past 7 days?	On the days you did this, how many hours did you spend?	With whom did you do this? (relation)	If you did not do this activity, who did? (relation to you)
	Entertaining guests	,·			
	isitng friends and relatives			**	
	Cooking for Carm labourers				
G	Grinding grain		,		
Þ	Marketing/ ourchasing goods		,	···	
	ish · rying			;	
	ome rafts				
r	ouse epairing or lastering				
	orking for age				
С	ther rop roduction				•



whether she of if not, how	ning produ Parries ou V many d Ask her al	cts from li t the activ ays for eac	rticipate in o vestock for e rity every day h week she do does the act	ach activit of the we es carry	y? Ask ek, and	
		Every day? 1. yes 2. no		you di s? how ma	h day d this ny hours u spend?	,
Cleaning area cleaning anim	and als	·			·	
Grazing, taki for drink	ng					
Bringing fodd and feeding	er		·			
Milking						
Churning					····	
31. What cr embroidery, c the responde	aft work weaving, s it do? I items, ask dentify th	or househo pinning and f she does her if any at person.	old items suc lother domest not do any pr cone in the ho	ch as mat- ic producti oduction of ousehold doe	on does	
Production n Household	responde	nt how	with	Exchange G	ift	e Pric
,						
			·			

whatever.						
. *	Land	Building	Jewelry/personal possessions	Other (specify)		
Quantity						
Ownership 1. in your name 2. husband's 3. other's name (specify)	·.					
Acquisition 1. inheritance 2. gift 3. part of dowry 4. purchase	,		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
Acquired from: 1. father 2. husband 3. mother 4. brother 5. children 6. purchase yourself		· · · · · · · · · · · · · · · · · · ·				
Right of disposition: 1. right to sell 2. right to give away 3. right to sell or give away with consent of HOH 4. no rights				. We will be seen and here seen had a seen here and here seen here and here seen here and her		
Approximate value				**************************************		

33.

Questionnaire - Part II

Health, Breastfeeding, and Anthropometry

	·	Mo	other's	I.D			1
1.	When you winjection to convulsions 1. yes	prevent	the baby	y from g	etting te		
2.	When you wer check on thi	e pregnar s pregnar	nt with ncy?	(Name),	did you	see anyoi	ne for a
3.	doctor traditional did not see	birth att	tendant				
	Who assisted 1. doctor 2. traditions	2. tra	ained nu	rse/midw:	ife	(specify)
4.	Did you ever	feed (Nar	ne) at t	he breas	t? 1. Ye	s	2. No
5.	Are you still	l breastfo	eėding (Name)?-1	. Yes	2. No	or dead
6.	_						
			Answer				
Re	g. I.D.						
Īšī	Child	·			·		,
$\frac{1}{2nd}$	Child			ver villelikin veneme eng ger g			
3rd	Child						
$\bar{4}\bar{t}\bar{h}$	Child						
5th	Child		· -				***
6th	Child	, <u></u>					
	Child		, , , , , , , , , , , , , , , , , , , 	*** **** *****************************		······································	
	ck for last b						त्रके प्रतिकृत विकेश केला प्रकृति क्षेत्र व्यक्ति व्यक्ति व्यक्ति व्यक्ति व्यक्ति व्यक्ति व्यक्ति व्यक्ति व्यक
	Last child st	ill breas	stfeedin	g? yes No	>	on to O	10

7.	How many times did you breastfeed la and sunrise?	ast night	between su	ndown
	Number of times Do	not reme	mber	,
. 8.	How many times did you breastfeed daylight hours?	d yesterd	ay during	the
	Number of times Do	not remen	mber	
9.	At any time yesterday or lest night, given any of the following?	was (Name	of last c	hild)
	de la	Yes	No	
	Plain Water	165	NO	•
	Powdered milk			
	cow's or goat's milk			
	any other liquid			
	if yes, specify			
	any solid or mushy food if yes, specify			ī
10.	At the time you became pregnant wit did you want to have that child the until later, or did want no more chill then 2. later 3. n	<u>n</u> , did ya ldren at a	ou want to	th), wait
	4. up to Allah 3. h	o more	· · ·	
Sec	tion B	•		
Ask Jan	the Ouestions Only for Living Childre uary, 1984, Skip these Questions.	en. If N	o Births s	ince
11.	Has (Name) ever had a vaccination (getting diseases? Yes if yes, specify vaccination No			from
12.	What would you do if one of your child	dren or re	latives ha	s diarrhea?
13.	Has (Name) had diarrhea in the last 24	hours?		!
14.	<pre>Has (Name) had diarrhea in the last 2 1. Yes 2. No</pre>	weeks?		
15.	Was (Name) taken to any health prace place during the last episode of diarr	titioner, hea?	or any	other
99	1. private doct 2. government o 3. ICDDR,B cent 4. traditional 5. not taken to 6. other (speci	clinic re doctor any place		

16. The last t	ime (Name) ha 2. No	d diarrhe 	ea, was he 3. DK	e/she gi	ven ORS?	
17. Was there diarrhea?	anything (el	se) you c	er someboo	dy did to	o treat	the
•			, injecti	ons, syı	rups	
		. increas . decreas				
		increas				
		. decreas . nothing				
	7.	. other (specify)			
Reg. I.D. 1	1. 12.	13.	14.	15.	16.	
Child 1		- 			-	
Child 2	*		~			
Child 3						
Child 4					·	·
					·	
		-				
Ask the Quest	ions Only for	Living C	hildren.	If No	Births Si	nde
January, 1981,	Skip these Qu	estions.				- / - / •
18. Has (Name) 1. Yes	had fever in 2. No _	the last	four wee	ks?	· t	i
19. Was (Name) to treat th) taken to a h	ealth pra	actitione	r or any	other p	lace
to trat ti	l. private	doctor				
•	2. hospita	l/clinic				
	3. traditi 4. child n	onal doct ot taken	or			
	5. other (specify)				
20. Was there fever?	e anything (e	lse) you	or someb	ody did	to treat	the
	ti-malarial					·
	tibiotics					
	quid or syrup pirin-para cy	tamol				
5. in	jection					
	thing					
7. 00	her (specify)					

21.				red from last fou			r diffic	ult or r	apid
		1. yes 2. no	·	(if no,	skip th	e rest o	f the qu	estions)	
22.		(Name) reat th			lth pra	ctitione	r or any	other p	alce
		2. ho 3. ti 4. ch	ild not	/clinic nal doct t taken					
23.		there	anyth	ing (els	e) you o	or someb	ody did	to treat	the
		2. 1 3. a 4. i 5. n	spirin njectio othing	or syrup or para on	-cytamo)	,			:
Reg	. I.D	. 1	7.	18.	19.	20.	21.	22.	
							—————— <u>—</u>		-
Chi	ld 3	··		·					-
Chi	ld 4			•				·•	
Chi	ld 5								•
Secti 24.	Λsk	the rease(s)	esponde in the	nt if sl	ne has s weeks:	uffered	from th	e follow	ving
				No.		sufferin ease	-	ght any atment?	
	a.	diarrh	ea						-
	Ъ.	malari	a		-		-	·	-
	c.	throat	infect	ion					•

d. cold or influenza		,	
e. fever			
f. other (specify)			
		•	÷
Do you suffer from the followi	ng long t	erm health pr	oblems?
	yes	no	
high blood pressure	 _		
heart disease			
tooth or oral disease			
malaria .		<u>-</u> -	
diabetes	, 		
frequent headache or dizziness			
chronic diarrhea			
serious back problems			
kidney disease			1
arthritis or rhematism	— —		,
asthma			
stomach-gastric problem (non-diarrheal)		· ·	. !
skin disease			
lung disease	_		
allergies		4	
physical disability (spe	cify)	-	
other disease (specify)			·
The following questions are health:	about var		
Have you ever been bothered by y beating hard?	our heart	Often S	ometimes Neve

b.	How often are you bothered by an upset stomach?	?		
c.	Do your hands ever tremble enough to bother you	ı		 ·
d.	Are you ever troubled by your hands or feet sweating so that they feel damp and clammy?			
e.	Have you ever been bothered by shortness of breath when not exerting yourself?			end enc-ske
f.	Do you ever have spells of dizziness?	_	:	
g.	Do you feel weak all over much of the time?			
h.	Do you feel healthy enough to carry out the things you would like to do?			
i.	Do you feel you are bothered by all sorts of ailments in different parts of your body?		gant with made	
j.	Do you ever have loss of appetite?			
	•	Often	Sometimes	Never
k.	Do you have any trouble in getting to sleep and staying asleep?			110101
1.	Has ill health affected the amount of work you do?			
m.	Have you ever felt you were going to have a nervous breakdown?			 -
	And the state of t			
11.	Are you ever bothered by nightmares?			
0.	Do you tend to lose weight when important things are bothering you?			
p.	Do you tend to feel tired in the mornings?			~~- <u>-</u>
27.	Usage of Health Services			
a.	During the last twelve months, have you consulpractitioner?	ted a	medical o	r health
	Yes, who is he/she no			
ь.	During the last twelve months have you used any (Circle as many as applicable)	of th	he Collowing	services>
	 government health complex in Teknaf government health clinic ICDDR,B sub-centre ICDDR,B Teknaf Centre hospital 		·	

	6. certified doctor7. village doctor8. other health workers9. other (specify)			
c.	During the last twelve months have you asked for i printed literature, dais, etc.) about health?	nformation	(including	advice,
	yes no		1 1	
		:		
	If yes, where did you obtain this information? (Circle as many as appropriate) 01. government health complex in Teknaf	,		
	02. government health clinic	•	i	
	03. ICDDR, B - DSS worker		:	
	04. ICDDR, R centre or sub-centre			
	05. government health worker 06. druggist		:	
	07. village doctor		;	
	08. dai		1	
	09. mullah			
	10. husband	ı		
	11. mother-in-law		•	
	12. friend or relative			
	tion D			
28.	Water from what source do you consider the best for			
	cooking? bathing ? drinking ? washing pots and cooking utensils ?	-		
	1. tubewell 2. running surface water 3. pond or ditch 4. does not matter			
29.	Do you use Alum in water before drinking?			
	 never sometimes, when there is diarrhea epidemic sometimes when respondent feels like it always 			1
30.	Some people believe that water from river/pond/dite contaminated in various ways and one may become drinking that water unless it is properly treated of Have you heard of that?	sick by		
	1. yes 2. no	t		
	Do you believe that?			
	1. not at all 2. some of it 3. all of it 4. don't know		1	
31.	Do you cover the containers which you use for			

	drinking water?
	1. never 2. sometimes 3. always
	a. If animals or birds submerge their mouths/legs etc. into the container, what would you do?
	 discard all of the water discard partially, rest will be used for non-drinking purposes discard partilly, rest will be used for drinking keep all of the water for non-drinking purpose keep all of the water for drinking
	b. If anyone put his/her limbs and/or other things into the water container, what would you do?
	 discard all of the water discard partially, rest for non-drinking purpose discard partially, rest for drinking keep all of the water for non-drinking purpose keep all of the water for drinking
32.	a. Where do you usually wash soiled clothes of your children?
	1 in running surface water 2 nearest handpump 3 in ditch or pond 4 no fixed source
	If not handpump water, ask Q.b.
	b. Is it the same source where you: yes no
	1. get water for cooking 2. get water for drinking 3. get water for cleaning pots and utensils 4. bathe 5. wash other clothings
33.	How do you wash your hands after cleaning your child's defecation?
	 always with water only always with soil always with ashes and water always with soap and water sometimes with soap sometimes with water only it depends whether water is available
31.	Do you think it is necessary to wash your hands with soap and wate after defecation?

34.	Do you think it is necessary to wash your hands with water after defecation?
	1. yes 2. no
35.	Do you cook your food during every meal-time?
	1. yes (if yes, skip to Q.37) 2. no
36.	If you do not cook during every meal time, do you re-heat the food before eating?
	1. always 2. sometimes 3. occasionally 4. never
37.	Sometimes left over foods may turn sour, it it happens to your food, what would you do?
	 will eat the food adults will eat the food, but not the children will give to the children, but not to the adults discard the food
38.	How does one get diarrhea?

Section E

Anthropometry

Record Height and Arm Circumference of the respondent and each of her children under 5 years of age:

	I.D.	Height	Arm Circumference
Mother		***	·
1st Child			
2nd Child			
3rd Child			
4th Child	~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~		
5th Child			The second of the second secon

Questionnaire - Part III Decision Making, Attitudes, and Fertility Preference

1. Decision Making

Education of female children

Education of male children

(i) Below are a number of decisions which households must make. Ask the respondent to tell you which of these decisions she makes, and which are made by other household members.

Arrangement of marriages for children	-
Amount of dowry/bride-price	
Medical treatment for self	
Medical treatment for male children (where to go? how much to spend? etc.)	
Medical treatment for female children	
How many children the family should have	-
Cultivation decisions: what to plant? how much land to give to each crop, etc.?	
Marketing decisions: when to sell? price to accept, etc.?	
Purchase of daily needs: e.g. sugar, tea, oil for cooking, and household needs	
Purchase of clothing	
Visiting natal family	
Actions to be taken in disputes with family/neighbours	1
Observing purdah	
Distribution of food	
Codes: 1. respondent alone 2. husband or head 3. respondent and head of household/husband 4. female members of household without male 5. male members of household jointly without	d jointly :

6. other - please specify in space

7. do not know

2. Attitudes and Perceptions

Answer Codes:

Ask the respondent to give her opinion about the following assertions. She should respond in one of four ways. She should say that (1) she agrees strongly; (2) she agrees but with reservations; (3) she disagrees but with reservations; or (4) she disagrees strongly. Write the codes that correspond to her opinion on each of the assertions below.

1. Agrees strongly

2. agrees but with reservations3. disagrees but with reservations4. disagrees strongly
 A woman should work in the fields.
 A woman should be educated and obtain a professional job in the city.
 A woman should stay in the house and tend to domestic chores.
 A woman should have as many children as possible.
 All boys in the household should be educated.
 All girls in the household should be educated.
 The household should give the largest possible dowry for a daughter's marriage.
 Households should save their money to purchase household items (like T.V., Radio, Furniture, etc.).
 Households should use their income to invest in new farm products and machinery to increase production.
 A woman should always obey her husband.
 A woman should never use any method to avoid a pregnancy.
 A woman should be able to take up any employment or educate herself as much as she desires.
 A woman should marry someone from her own clan (gotra).
 A woman's marriage should be arranged by her parents.

a. rentifity freferences	
yes if no on ungune chic to Counting	
no if no or unsure, skip to Question F. unsure	
b. For how many months have you been pregnant?	months
c. Since you have been pregnant, have you been given any baby from getting tetanus, that is, convulsions after yes no DK	y injection to prevent the birth?
d. Did you see anyone for a check on this pregnancy? yes no	
e. Whom did you see? 1. qualified doctor 2. village doctor 3. trained dai 4. village dai 5. other (specify)	
f. For Not Pregnant or Unsure Women	
Would you like to have (another) child or would y (more) children?	ou prefer not to have an
 have another	
For Pregnant Women	·
After the birth you are expecting, would you like would you prefer not to have any (more) children?	to have another child on
 have another no more undecided or DK 	
g. How long would you like to wait from now (for unpregnation of the second of the sec	nant woman) or from after wait before the birth of a
Months Years DK	•
h. Do you know of any way in which you could avoid or dela	ny a pregnancy?
yes no (if no, skip to Q.k)	'
If yes, which methods are you aware of?	•
i. Have you or your husband ever tried any of these metho	ı ods?
yes, which one(s)	no
j. Are you or your husband using any method to avoid or d	elay a pregnancy? 🕟 🦠

yes, what method since when?
k. Do you think that your husband/partner approves or disapproves of couples usin a method to avoid pregnancy? 1. approves 2. disapproves 3. DK
1. In general, do you approve or disapprove of couples using a method to avoipregnancy? 1. approves 2. disapproves 3. DK
m. No Living Children
If you could choose exactly the number of children to have in your whole life how many would that be?
sons daughters
Living Children
If you could go back to the time you did not have any children and could choose exactly the number of children to have in your whole life, how many would that be?
sons daughters
4. Do you expect your sons to contribute economically to the household?
yes, at what age should they begin to work
5. Do you expect your daughters to contribute economically to the household?
yes, at what age should they begin to work
6. When you and your husband are too old to support yourselves, who will care for you?
1. your natal (father's) family 2. your children 3. your husband's family 4. your own income from property or savings 5. other (specify)

Verbal Consent Form

The International Centre for Diarrhoeal Disease Research, Bangladesh is planning to collect information on women's roles and activities in their households and their knowledge and awareness of various health related issues relevant to themsevles and their children. In addition some questions relating to household socio-economic status will be asked. The interviewing process will take only about half an hour. The information supplied by you will be treated as confidential.

You may at any time refuse to answer any question that you think inappropriate or ask the interviewer to explain to you questions that you do not understand.

Do you have any questions now?

Do you agree to participate?

प्रमाणक उत्तर प्रमाण प्रमाण क्यान किल्ला कार्यन किल्ला कार्यन क्यान किल्ला कार्यन कार

उपमाञ् ध्राञ्च

(कामान (म. एशन असम (म. स्ट्रांस्टर, देवन) क्रिम्स्टिक द्रम्यसम् (म. स्ट्रांस्टर, असम् स्ट्रांस्टर, द्रवन) प्राम्स्टर्स क्रिम्स्टर्स क्रिम्स अस्टर्स क्रिस्स क्रिस क्रिस्स क्रिस क्रिस क्रिस क्रिस क्रिस क्रिस क्रिस क्रिस क

(अभ्यान निर्मा कार्या प्राप्त निर्मान कार्या) विराध निर्मान कार्याप विराध कार्या विराध कार्या विराध कार्या विराध के न