Trainée

AlcMajunder Principal Investigator REF WA 320.JBZ M939h 1990

#### SECTION I: RESEARCH PROTOCOL

1. Title

- : Health Behaviour and practice in a rural community in Bangladesh
- 2. Principal Investigators
- : 1. Dr. Abul Kashem Majumder Associate Professor Department of Statistics University of Chittagond Chittagond
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Co-Investigator

: Dr. Abbas Bhuiya Associate Scientist ICDDR, B, Dhaka

4. Starting Date

- : November 1, 1990
- 5. Completion Date
- August 31, 1991
- 6. Total Direct Cost
- : Taka 4,72,000
- Scientific Program Head

Signature of the Chairman's Department of Statistics

)ate: -----

Date: -

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Signature of the Associate

Director, PSED, ICDDR.B

## 8. Abstract Summary

Studies linking between socio-economic and demographic factors in one hand and child survival in developing countries on the other precise numerous. However. our knowledge as to the are through which these factors influence child mechanisms very poor. One of the suggested pathways ο£ still through what has been termed as 'personal influence is in the literature. This refers to various curative control' by individuals preventive health measures taken well families as for recovery or as an initiation to better health. study will be an attempt to investigate curative and preventive child health measures utilized by parents' which children belong by the families to mother) responsible for the wellbeing (particularly, The specific interest is on indentification οſ the children. socio-cultural and behavioural factors that could explain differentials 1 n child health measures. The study will conducted in a rural community of Hathazari Upazilla quantitative and. qualitative Chittagong district. Both approaches will be adopted for data analysis, which is in an in-depth understanding of the society its result health behaviour.

### SECTION II: RESEARCH PLAN

#### A. Introduction:

### (a) Objectives of the Study

The major objective of the proposed study is to have a clear understanding of selected cultural, socio-economic and behavioural factors on health (thus on mortality) of children under five years of age in Bangladesh. However, the specific set of objectives are as follows:

- (i) to investigate mother's knowledge on childhood immunization and diarrhoeal disease.
- (ii) to determine the levels and to examine the differentials in childhood immunization by various socio-economic, cultural and demographic characteristics.
- (iii) to identify the reasons for not immunizing children.
- (iv) to investgate the types and incidence of sickness among children under five years (also among the household members), the role and treatment-seeking behaviour of the mother during sickness of her offspring.
- (v) to study household sanitation facilities, and also personal hygiene practice by mothers,
- (vi) to investigate the extent of contraceptive and lactational behaviour and the extent of pre and post natal care.

### (b) Background Information

During the last decade, differential mortality, particularly that of infant and child mortality, have been extensively studied in a socio-economic and demographic settings οf mortality studies otdeveloping countries. But such not provide any direct information do differentials. economic which social, cultural and mechanism through individuals and families exercise their characteristics of the survival of children and others (Ruzicka For example, a finding that has almost invariably 1989). Kane, found to appear in data from developing countries there exists a strong relationship between mother's education and infant or child survival; the higher the educational level of the higher the survival probability of her offspring. mother, the Though this differential pattern of child loss experience mother's education is not attributable to the socio-economic or the living standard of the families to which children clearly established a decade ago (Caldwell, belong has been 1979), our understanding of the mechanisms of the influence until now remains very poor. Part of the reason lies in the complexity the subject matter; detailed studies of household behaviour which need to be the key part of any research design are not easy to conduct (Cleland and Ginneken, 1987:21).

As indicated, since traditional demographic analyses fail to

socio-economic status or education affects child health or mortality, as an attempt to fill this gap, Mosley and have suggested a framework for the study of child survival in the developing countries. The framework claims that socio-economic factors operate through a set of proximate determinants which directly influence the risk of mortality morbidity and thus determine the health of a community. The authors identify 14 such proximate determinants categorized under five major headings-Maternal factors, Environmental contamination, Nutrient defiency, Injury and Personal control. The first four groups of the set influence the rate shift of healthy individuals toward sickness, whereas illness control influences both the rate of illness prevention) and the rate of recovery (through treatment) (Mosley and Chen, 1984:26-28). Because of the varieties and large volume data needed, it is highly unlikely that a single study could be designed to examine these suggested pathways of the influence. Thus the present proposed study will consider the last proximate determinant, i.e. personal illness control, which incorporates several preventive as well as curative health measures taken by individuals and families.

Diarrhoea, diphtheria, pertussis, tetanus, polio, measles and tuberculosis are among the leading causes of death among children under five years of age in developing countries. Available estimates for the year 1987 reveal that diarrhoeal disease accounts for about 5 million, measles for 1.9 million, acute

infection for 2.9 million, tetanus for 0.8 million, respiratory another 2.4 million deaths i.n the for and other diseases developing world (UNICEF, 1988:3). It is assumed that about children could have been saved through these cent vaccines and proper health champaign at a low preventive that any developing country can afford. Because of this situation in the developing countries, WHO and UNICEF, as part of their "global strtegy for health for all by the year 2000", jointly undertaken an Extended program of Immunization designed to achieve universal immunization against six important vaccine preventable diseases, such as, diphtheria, pertussis, tetanus, polio, measles and tuberculosis in late 1970s. During immunization coverage of these diseases has extended 1980s, reach from less than 10 per cent to approximately 50 per cent of the developing world (UNICEF, 1988:5).

However, in Bangladesh where more than one-fifth of the children die before reaching age five years, immunization services are still at a very low level. Government estimates show that by mid-1986, only 2-3 per cent children were immunized against diphtheria, whooping cough, tetanus and polio; the percentage coverage of BCG vaccine among children under 15 years of age was 63 and finally, the distributation of Oral Rehydration Salt (ORS) for the control of diarrhoeal diseases covered only 56 per cent of the country (Govt. of Bangladesh, 1989). Such figures are undoubtedly among the lowest compared to other developing countries.

low level of the coverage or acceptance of immunization may The factors, for a variety of with be accessibility to and cohcentration of health care centers. about and availability immunization, ο£ knowledge household income and education. A few recent studies Matlab data in Bangladesh as well as in other countries insights into the issue. One micro study in Matlab some the level of immunization among children under 1.1 ve that are strongly related to the education of mother, who is primarily responsible for child health care. Children boxn having primary education or more were more likely to be immunized against measles, polio, DPT and BCG (Chakraborty, 1987). observations appear for Thailand (Wilairat, 1987) and for Indonesia (Streatfield et at, 1986). Another in-depth study shows a better personal hygiene parctices among mothers than among mothers having no education. Irrespective social status, educated mothers were more likely to their hazards defecation, more aware ο£ the of their hands after drinking unboiled surface water and more likely to warm food left before eating or serving again (Bhuiya, 1989). Teknaf, another rural community in Bangladesh suggest the treatment center from home plays an important distance of: in not treating children attacked with diarrhoeal even with free treatment facilities (Rahman and D'Souza, 1981).

Though the above cited studies in Bangladesh, to some extent

our current knowledge regarding various to contributes behavioural and preventive child-health measures, they are by no means adequate in this new field of demographic research. For example, examination of the level of immunization by various socio-economic variables in Chakraborty's (1987) study little about the relative importance of the factors involved. Apart from this, the uniqueness of Matlab from the rest of the country regarding selected health provisions makes it even more difficult to generalize any findings. Being a field station of ICDDR, B, established in 1966 primarily for diarrhoeal disease several has undergone through Matlab treatment, intervention programs during the last two decades. In 1978, ICDDR, B has set up an intregated village based maternal-child health and family planning program in about 70 villages Matlab. Later, the program started offering other selected health services, e.g., immunization for children, oral theraphy for treatment, tetanus vaccine for prequant diarrhoeal nutrition education for mothers. The strong grass-root level health worker base of ICDDR, B has made house to house services of immunization, ORS and contraception distribution possible. These unique characteristics of Matlab thus suggest to carry out similar or even more in-depth studies in other parts of the country.

## (c) Rationale of the Study

The necessity of the models linking between socio-economic and cultural behaviour in one hand and child health on the other has recently been increasingly felt by the social scientists. The proposed study is an attempt to identity some of the possible routes of this link, the relevance is obviously undeniable for formulating a better child health care planning in our society.

#### B. METHODS

The study will be carried out in Fatehpur Union, a rural community of about 9 sq. miles under Hathazari Upazilia of Chittagong district. Fatehpur Union, divided into 3 wards of varying sizes, has currently an estimated population of 22 thousands. According to information from the Union Family Welfare Center, there are about 2,600 registered eligible couples aged 15-49 years residing in the Union.

Using the frame available at the Union Family Welfare Center, at the first stage, the study plans to draw a random sample of about 1000 couples with probability proportional to ward size. A household questionnaire will then be administered to households of the selected couples, where the respondents will be the household heads. The household questionnaire will collect information mainly on: age and sex of each household member,

household income, land ownership, types of dwellings, drinking water and sanitation facilities, incidence and types of sickness among household members in a period of one or two weeks before the survey and also types of treatment used during sickness.

The household survey will identify all sampled couples having at one living child under threeyears of age. It is expected there will be about 800 couples satisfying this criterion. an individual questionnaire second stage, administered to the identified mothers with at least one child under five years of age. An in-depth interview will be carried out to collect information on: knowledge, attitude and childhood immunization as well as otdiarrhoeal practice o £ childhood disease, knowledge about the causes ωĽ selected in the family and her diseases, respondent's status decision making in the household particularly during sickness of the children, practice of personal hygiene, breastfeeding contraception.

Both univariate and multivariate techniques will be employed for data analysis. In order to explain the quantitative results, the study also plans to have informal interviews with village leaders, local health workers, doctors, nurses, family welfare visitors, members and chairman of the Union Parishad on various health and other related issues. Apart from this, time to time visits to the study area will be made by both the principal investigators to have an insight into the societal, cultural and

health behaviour of the community.

## C. Collaborative Arrangements

The sudy will be a collaborative study between the Department of Statistics. University of Chittagong, Chittagong, and ICDDR,B, Dhaka.

## SECTION III: BUDGET

## . Personnel Services:

Name	% Effort	No. of Months	Monthly Rate (Taka)	Budget Regd.(Taka)
) Dr. Abul Kashem Majumder	25	1.0	5,000	50,000
Dr. S.M. Shafiqul Islam	25	1.0	5,000	50,000
Dr. Abbas Uddin Bhuiya	5	1.0	and the sale sale	MC 40- 80 61- A1-
1 Research Assistant (To be recruited)	1.00	1.0	4,000	40,000
6 Field Investigators (To be recruited)	100	5	3,500	105,000
4 Coding Assistants (To be recruited)	100	4	3,500	56,000
2 Data Entry Technicians	1.00	2	3,500	14,000
•	\$	Sub-total	:	315,000
Computer Services	1 10 2 MM (144 1011 1000 1000 1111 11		APR Not work two time down	60,000
Transport and Conveyance:  10 trips Ctg-Dhaka-Ctg incl 2 trips Dhaka-Ctg-Dhaka ir 20 trips to the field by processed to the field of the conveyance allowance for firesearch assistant (field second	nctuding perincipal in incipal in leld invest	er diem T vestigat igators	k. 200 - ors - and	13 50 y 10 CO CO
			ub-total:	67,000
Others:				
Pretesting and printing que Computer disketts, stations	estionnaire ury etc.		•	15,000 15,000
· ·		Si	ub-total:	30,000
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## SUMMARY BUDGET

Salary/Honorarium	Tk.	315,000
Computer Services	Tk.	60,000
Transport & Conveyance	Wk.	67,000
Others	Tk.	30,000
		M MT 1960 (MATE) of the year or he had all above as year a
Total Direct Cost:	Tk. 4	1,72,000

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## ANNEX A: HOUSEHOLD QUESTIONNAIRE (DRAFT)

Identif	ication		•				
Sample	No	····	Ward No	V i	llage name	*** *** ***	
Househo	ld No. (HH	No.		par ess ==:			
Name of	household	head			is made during the state.		
Main oc	uupation of	hor	usehold head		per mana atawa dana mahabi selah 1948		
Religio	n of the HE						
			(HH head is the for each HH me			the	head of
Line No.	Name	1	Relationship   to HH head	Sex   (M/F)	Age/Date of birth	1	
1.	1475 / 144,000 1444,1981   1464   14 493 1 - 1 / 2 / 3 - 11   12   12 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 /		inkanonierioriori e estat Cirt. Este e frince frince frince anno que cana		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.410. ,450	v principal and a state of the
2.	,						
3.							
4.							
5.							
6.	•			2			
7.							
8.							
9.							
10.	•						-
11.							
12.	•				·		

2. How many acres of	agricultu	ral land do you own? Acres
<ol><li>Type of dwellings (Please tick)</li></ol>	: (record t	the following from observation)
Wall	Floor	Roof
Bamboo/Thatch Earth Tin Brick Brick and Tin Other (specify)	Earth Pucca	Thatch Tin Brick Other (specify)
4. How much was the Sources?	HH income (	during the last year from the following
Service		Business
Agricult	ulbe	others
Total		
5. Do you own the f	ollowing i	tems?
Item   Yes/   No	•	Item   Yes/   Number     No
Car		Radio
Telephone		170
Motor cycle		Wall clock
Bicycle	-	Cows/Bulls
	Restlict-law-orth-let-t-law-return annotation	Goat
Michael Amerika Michael Serial Selection of Michael Serial Medical Serial Seria	Historica and Allanders are an annual annual and an annual annual annual annual annual annual annual annual an	
7. Do you have elec	tricity in	your house? (please tick)
Yes	No	·
8. What is your sour	ce of drini	king water? (please tick)
<ul> <li>(a) Tap/Pipe</li> <li>(b) Tubewell</li> <li>(c) Well</li> <li>(d) Pond</li> <li>(e) River/canal</li> <li>(f) other (specif</li> </ul>	у)	·

			,	•			
9. 1	o you have	toilet f	tacilities :	in the	household?	(please	tick)
•	res	No (	(skip to Q.	10)			
	1						•
W)	at type to:	ilet faci	ilities do y	you has	7e?		-
-	a) Sanitary b) Other (sp						
10.	Has any mer (please tio		the househo	ld beer	n sick durin	ng the la	st fortnight?
	Yes   		No.				·
(a)	What type	of sickn	ess he/she/	they l	iad? Specij	t <b>y</b> ,	
(b)	What type (please ti		ment have y	7OU SOL	ight for the	e sicknes	<b>s</b> ?
	Alopathy						
	Homoeopathy Kabiraji/Ha						
	No Treatmer						

Other (specify)

## ANNEX B: INDIVIDUAL QUESTIONNAIRE (DRAFT)

Samp	ple N	lo.	te man con the company community	annan a ar a a a a a a a a a a a a a a a			•		
Line	e No	i rı	HH questi	lonnaire					
Sect	tion	A:	Backgroun	ad Informa	ition				
1. V	what	is	your name	<u></u>			-		
2. V	What (chec	is ck	your curi	rent age? onnaire an	Year id probe	)	Month	,	
1	(II 1	the	the age of the ewing)	of your yo he younges	oungest o st child	child? is more	Year than 5 5	Moi Zears, s	nth top
4. 1	oid y	you	ever atte	end school	.? (plea:	se tick)			
1	Yes     No. o	off :	years of s	No (sk schooling	tip to Q	. 5)			
5. 1	oid y	zotu	r husband	ever atte	nd scho	ol? (ple	ase tick)	I	
	Yes       	of j	years of s	No (ski schooling	p to Q.	6)			
6. V	Mhat	ar	e your and	i your hus	sband's r	main occ	upations?	•	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<b>!</b>	HH work	Service	e   Agri 	Busin	ess  Day 	labour	Other (specify)
Resp	pon- t	.							
11.42.1	المصادر والم			[			)		

7. Now, I would like to ask about all of your children including those who have died or living elsewhere, beginning with the first.

Order	Name	1	Sex (M/ F)	ł	Date of Current Yr	age	1	Allve Dead	(A) (D)	/     	erv	dead, death Mon	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	,-,-,a					•		•			
2.	·					•							
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.	•				•								

## Section B: Knowledge and Practice of Immunization

8. Have you or your children ever been given cholera vaccine? X (please tick)

Yes

No

9. Have you ever heard of any vaccine (pratisedak tika) which prevents disease among children? (please tick)

Yes

No (skip to Q. 10)

From which of the following sources have you heard about immunization for the first time? (please tick)

- (a) Qualified doctor/Nurse
- (b) Quack
- (c) Local health/family planning/EPI worker
- (d) Traditional midwife or Dai
- (e) Union parishad chairman or member
- (f) Husband/relatives
- (g) Radio/TV/Newspaper/Poster
- (h) Neighbour
- (j) Other (specify)

 Now, I would like to ask you about the following kinds of immunizations (pratisedak tika)

Types of Immunization

######################################		Measles		BCG		DPT		Polio		<u>111</u>	,
Ever heard of					}	HIMITO POLICE AND PARTY AN	}	errenen (* avad alfan skrauf anaværksær a kan		-	******************
Provent what disease		**(mbm17= diddh caanaan maanaan maanaan maanaan a	}	***************************************		Allielde Hillery and course of the low abo				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
low many dose of a vaccine is needed						<b>1964 - 1964 - 1</b>	   	territoris (1.5 pt 11) pt Hilliphia verbu nero			dt , td
At what ages (months)	1			Matted Hodil theory	1	alla Men da ha e e e e e e e e e e e e e e e e e e	!	M. 1200 ( 1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   11		K + + ( + 1	

11. Which of the following diseases you consider dangerous for children? (please tick)

Disease	Danger	cous	Not da	ngerous	Don't	know
Tetanus	1		1			
Tuberculosis	<u> </u>	1	1			j
Whooping cough			1			1
Diptheria	İ	ļ	ŧ			
Measles	1			<u> </u>		1
Polio						1

.2. Did your last child or penultimate child suffer from any of the following diseases? (please tick)

Disease .		Last child	!	Penultimate child
Tetanus	1			
Tuberculosis				december 18 march 18 march 18 march 18 march 19 march 18
Whooping cough		Parkhiller en - <del></del>		·
Diptheria		eliste Pellota varra varratuuri tiimineliinin kastigaa ja varrat (kija fictisa	<b>†</b>	
Measles	1	Hadrour and 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1	ŀ	amentus aparti pana menanjambulah Nussi di di dipinah atumb. Hi Adrikki semena menangan dan berman
Polio	·-····································	MMATER C. C C. HOLE & TENTITE HAZAR CHI APPROXIMENT		That Management and account and analysis of the contrast and the contrast

Child.	Yes	No	
Last			
Penultimate			
f any one is immu usk Q. 15)	nized, ask Q.	14; if, no on	e is immunized,
. Where did you ge	t your child/c	hildren immun	ized?
	ital/   Local ic   tion c		Home   Other   (specify)
Last	<b>¦</b>	A STATE OF THE STA	1
Penultimate			A STATE OF THE PROPERTY OF THE
Reason		tast child	! Penultimate child
Reason		hast child	Penultimate child
	f Immunization		Penultimate child
on-availability i		<b>s</b>	Penultimate child
Von-availability i	ic too far	<b>s</b>	Penultimate child 
Von-availability in tealth center/cline teamination camp	ic too far	<b>s</b>	Penultimate child
Jon-availability in tealth center/clin manunization camp dealth worker did	ic too far too far not tell	<b>s</b>	Penultimate child
Von-availability in tealth center/clin tealth center/clin tealth worker did to not think them	ic too far too far not tell necessary	<b>s</b>	Penultimate child
Von-availability in tealth center/clin tealth center/clin tealth worker did to not think them	ic too far too far not tell necessary	<b>s</b>	Penultimate child
Von-availability in tealth center/cline immunization campate lealth worker did to not think them to bid not know at all them to be all the beautiful them.	ic too far too far not tell necessary l afford		Penultimate child
Von-availability in lealth center/clin munication camp lealth worker did to not think them will not know at all them but could not bjection from any	ic too far too far not tell necessary l aftord member of the		Penultimate child

# (Ask Q. 16 to Q. 19 to those who have immunized any of the last or penultimate child)

16. At what ages they have been immunized?
(please see whether there is any card or other document)

		•		Age at	ار نا	Lmwum i 2	2 <b>A</b>	tio	ori (m	ont.	hs)					
Vaccine	Last child								Penultimate child							
		Doses						Doses								
,	*******	1		2		3 _		*******	1.	,,	2.		3			
Measles		·		XXXXX					***************************************	1	XXXXX			1		
BCG		rki atahalmbi arabt	}			XXXXX					XXXXX			1		
DPT		***************************************		***************************************		4		!			e et fannsk af ball maare, i bank til de var dam nor	1		}		
Polio		***************************************					-	}	98 754+36+37 77-37-44 (- 98)+88+7		4.444			1		

(If any of the above boxes is empty, ask Q. 17, otherwise skip to Q. 18)

17. Why have your child/children been not immunized completely? (please tick)

Last child	l Fenul, chilo
l .	
1	
H. (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
<u> </u>	ł

18. Did your child/ children experience any reactions (e.g. fever) after immunization? (please tick)

Yes

Nο

	oid the doctor/nurs experience some rea (please tick)	e/health worker tell you that the child might ction (e.g. fever) after immunization?	
	Yes	No !	
	(Q. 20 to Q. 23 to ldren)	those who never have immunized their child/	
0. I	Do you consider that of children? (pleas	t immunization is necessary for better health e tick)	
ን	Yes	No .	
1. I	If you have an addiner to get immunize	tional child in future, would you like him/ d? (please tick)	
)	/es	No	
	Do you think that h Immunizing children	ealth workers should come at your home for ? (please tick)	
)	Yes	No	
3. I	Had the health work would you have immu	ers been at your home with vaccines, nized your children? (please tick)	
3	Yes ·	No	
		Diarrhoeal Disease  dren ever suffer from diarrhoea? (please tick)	
	Yes		
		No (skip to Q. 25)	
		No (skip to Q. 25) t have you sought for diarrhoea? (please tick)	
Wha (a) (b)		t have you sought for diarrhoea? (please tick)	

26.	Have you ever hea (please tick)	rd of oral dehydration salt (ORS) or Orsaline?
•	Yes	No (skip to Q. 27)
	Have you ever use (please tick)	ed ORS for treatment of diarrhoea?
* .	Yes   	No (skip to Q. 27)
	Did you buy or pr	
Sec	tion D: Treatment	seeking behaviour
27.	During the last w sick? (please tic	onth, was any of your last or penultimate child k)
	Yes '	No (skip to Q. 28)
	(specify)          What type of trea (please tick)	tment have you sought for his/her treatment?
	<ul><li>(a) Alopathy</li><li>(b) Homoeopathy</li><li>(c) Kabiraji/Hak</li><li>(d) None</li><li>(e) Other (speci</li></ul>	
28.		hlidren) is (/are) sick, whom do you usually t in your family for treatment? (please tick)
	<ul><li>(a) Husband</li><li>(b) Mother-in-law</li><li>(c) Any elder per</li><li>(d) Other (specif</li></ul>	

	29. Whose decision in your family gets priority children? (please tick)	
•	(a) Self (b) Husband (c) Mother-in-law/Father-in-law (d) Other (creekfy)	
,		
0.	30. What type of treatment do you usually seek i of your child/children? (please tick)	or the treatment
	<ul><li>(a) Alopathic</li><li>(b) Homoeópathic</li><li>(c) Kabiraji/Hakemi</li><li>(d) Other (specify)</li></ul>	
1	31. Which of the following types of treatment yo for your child/children? (please tick)	u personally prefer
	<ul><li>(a) Alopathic</li><li>(b) Homoeopathic</li><li>(c) Rabiraji/Hakemi</li><li>(d) None of these</li></ul>	
2.	2. Why do you preter (mention the of treatment? (please tick)	answer in Q. 31) type
	<ul><li>(a) Less expensive</li><li>(b) better than any others</li><li>(c) No side effects</li><li>(d) easily available</li><li>(e) Other (specify)</li></ul>	
	3. What is the source of drinking water for yo	ear last and penultimate
	33. What is the source of drinking water for yo (if any) children? (please tick)	
	(if any) children? (please tick)  Source   Last	ur last and penultimate Penultimate
	3. What is the source of drinking water for yo (if any) children? (please tick)	
	3. What is the source of drinking water for yo (if any) children? (please tick)  Source   Last	
	3. What is the source of drinking water for yo (if any) children? (please tick)  Source   Last    Tap/Pipe water	

1			Last	child			Penuļt	imate	child	 
.	Yes		······································	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				1
1 .	No						**************************************	,		<b>*</b>
	at do yo lease ti		aally :	use hor	washir	ng c	ooking	utens	ils and	d dishes
(b (c	) Soap/D ) Ash ) Sand ) Other		•							
Do	you wash ldren? (	you	c hands	s with		efor	e you	serve	tood to	o your
(b)	Always Not alw Sometim Not at	es	out of	ten						
	you wash ease tic		c hand:	s with	soap/de	eter	gent a	fter d	efecat:	ion?
(b)	Always Not alw Sometim Not at	es 🍨	out of	ten						
	you wash ld/chiid								u clear	ı your
	Always Not alw	ays l	out off	ten						

## Section F: Breastfeeding, Contraception and Use of Health Services

	•				• •
	Last		Penultimate	1	
Yes			, and a second s		
No	1	1			
(If no one	is breastfe				•
	•	-	last and penul	timate chi	.ld exclusi
•		last chl	ld   Penultin		1
Duration	(months)		Annual and the second		1
Area ven cer	venier lancilean	L. entroperant t	er traditions make the	! I t	
Are you or methods? (r	your husband please tick)	l current l	y using any fam	ily planni	ng
Are you or methods? (r	your husband please tick)		y using any fam p to Q. 43)	ily planni	ng
<pre>methods? (; Yes</pre>	olease tick)	No (ski	p to Q. 43)	ily planni	ng
methods? (r Yes   	olease tick) are you usin	No (ski	p to Q. 43)	Nation growth and the second s	ng (months)
methods? (r Yes     What method	olease tick) are you usin	No (ski	p to Q. 43) how long?	Nation growth and the second s	AND MATERIAL VENEZUEZI AND MATERIAL AND MATERIAL VENEZUEZI AND MATER
methods? (r Yes     What method   Method	olease tick) are you usin	No (ski	p to Q. 43) how long?   Method	Nation growth and the second s	AND MATERIAL VENEZUEZI AND MATERIAL AND MATERIAL VENEZUEZI AND MATER
methods? (r Yes     What method   Method   Pill   Condom	are you using the property of	No (ski	p to Q. 43) how long?   Method   Vasectomy	Nation growth and the second s	AND MATERIAL VENEZUEZI AND MATERIAL AND MATERIAL VENEZUEZI AND MATER
methods? (r Yes   What method   Method   Pill Condom	are you using the property of	No (ski	p to Q. 43) how long?   Method   Vasectomy   Safe period	Nation growth and the second s	AND MATERIAL VENEZUEZI AND MATERIAL AND MATERIAL VENEZUEZI AND MATER
methods? (r Yes     What method   Method   Pill   Condom  *Vaginal met	are you using the property of	No (ski	p to Q. 43) how long?   Method   Vasectomy   Safe period   Withdrawal	Duration	AND MATERIAL VENEZUEZI AND MATERIAL AND MATERIAL VENEZUEZI AND MATER

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(\* includes jelly, diaphram, foam and cream)

			•
	Yes 	No (skip	to Q. 44)
	By whom did you get anti (please tick)	-natal care?	From where?.
	Whome:		From where:
`	(a) Doctor/Nurse		(a)
	(b) Health/F.P. worker		(b)
	(c) Trained birth attend		(c) ·
	(d) Other (specity)		
<u> 4</u> 4.	During your last/recent (please tick)	pregnancy, d	id you take TT vaccine?
	Yes No		Can't remember
	How many times did you t	ake the vacc	ine? times
	   Who did administer the va	accine? (plea	ase tick)
	(a) Doctor/Nurse		
	(b) Health/F.P. worker	and to	
	<ul><li>(c) Trained birth attende</li><li>(d) Other (specify)</li></ul>	enc	
	Can't contract (children and )		
45.	Where did you have your .	last birth/de	elivery? (please tick)
	Home	Hospital/C	Clinic
	<b>†</b>	·	
			•
W	ho did attend the birth?	(please tic)	<)
(	a) Doctor/ Nurse		
	b) Trained birth attender	n I.	
	c) Local midwife	- "	
	d) Relative		·
	e) Other (specify)		
£In	terviewer, please thank tinish the interview(	the responder	it for her co-operation and
Inte	rviewed by		Date
Supe	rvised by		Date
Code	d by	<del>.</del>	Date

43. Did you get anti-natal care during your last/recent pregnancy?

Conceptual framework for the research proposal: "Health behaviour and practice in a rural community in Bangladesh"

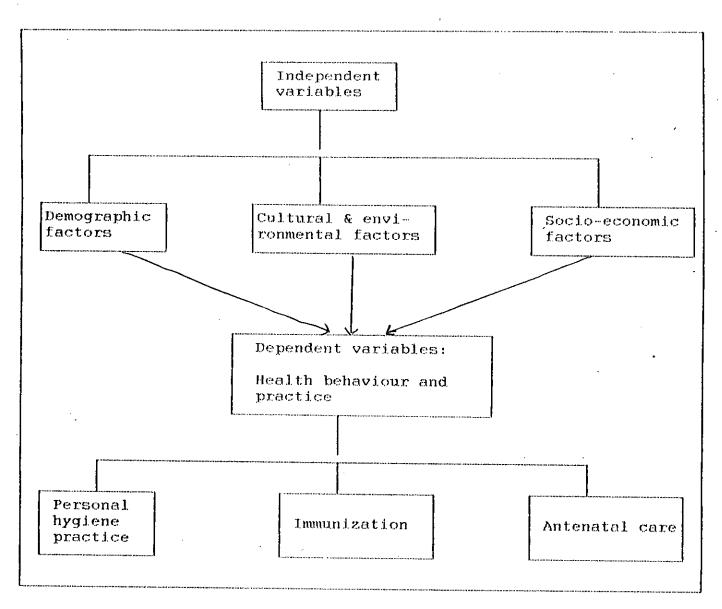


Figure: A conceptual framework for analyzing health behaviour and practice

## Work Schedule of the study

(a) Recruitment of Research Assistant and Field Investigators and their training

15 days

(b) Pretesing and actual field work : 4 months and 15 days

(c) Coding and data entry : 4 months [2 months overlapping with item

(b)]

(d) Analysis and report writing : 3 months

Total duration : 10 months