DHAKA-12

ETHICAL REVIEW COMMETTEE, ICODR, B. 23.11.86 Service in the Investigator M. Shafiqui Islam Trainee Investigator (if any) 86-038 Madication No. Supporting Agency (if Non-1CDDR,B) UNICEF the of Study A Study of Knowledge and Practice related to diarrhees and oral Project status: New Study rehydration therapy in Matlab: An evalua-Continuation with chance tion of bari mothers. No change (do not fill out rest of form) Circle the appropriate answer to each of the following (If Not Applicable write NA). Source of Population: Will signed consent form be required: (a) Ill subjects (No) Yes From subjects (b) Non-ill subjects (Yes) No (b) From parent or guardian (c) Minors or persons (if subjects are minors) Yes No N. A. under guardianship (NO) tes Will precautions be taken to protect Doos the study involve: anonymity of subjects (a) Physical risks to the Check documents being submitted herewith to subjects Yes (No) Committee: (b) Social Risks Yes (No) Umbrella proposal - Initially submit a (c) Psychological risks overview (all other requirements will to subjects Yes (10) be submitted with individual studies;. (d) Discomfort to subjects Yes (No) Protocol (Required) (e) invasion of privacy Yes (No) Abstract Summary (Required) (f) Disclosure of informa-Statement given or read to subjects on tion damaging to subnature of study, risks, types of quest ject or others Yes (No) ions to be asked, and right to refuse Does the study involve: to participate or withdraw (Required) Use of records, (hosp-Informed consent form for subjects ital, medical, death, Informed consent form for parent or birth or other) (Yes) No guardian **(b)** Use of fetal tissue or Procedure for maintaining confidential abortus (No) Yes (6) Use of organs or body Questionnaire or interview schedule : Fluids " If the final instrument is not completed Yes (No) Are subjects clearly informed about: prior to review, the following informatio Nature and purposes of should be included in the abstract summar hudy A description of the areas to be (b) Procedures to be covered in the questionnaire or followed including interview which could be considered alternatives used (es NO either sensitive or which would (c) Physical risks Yes No N.A. constitute an invasion of privacy. Sensitive questions (d) Yes NO N.A. Examples of the type of specific Denefits to be derived (e) (Yes No questions to be asked in the sensitive Right to refuse to areas. participate or to with-An indication as to when the questiondraw from study (Yes) No naire will be presented to the Cttee. Confidential handling (g) for review.

any particular procedure No N.A. Yes We agree to obtain approval of the Ethical Review Committee for any changes involving the rights and welfare of subjects before making such change.

(Yes) No

Principal Investigator

Compensation 6/or treatment where there are risks or privacy is involved in

of data

(PTO)

LEF WI 407.JB2 I823 1986 23.11.86

SECTION 1 - RESEARCH PROTOCOL

1.Title

A study of Knowledge and Practice related to diarrhoea and oral rehydration therapy in Matlab :
An evaluation of bari mothers.

2. Principal Investigator : M: Shafiqul Islam

3. Co-investigators : Drs. V. Fauveau and Md. Yunus

'4. Consultant : Dr. M.G.M. Rowland

5. Starting date : January, 1987

6. Completion date : December, 1987

7. Total direct cost : US \$ 1次,531

8. Scientific division : Community Medicine

This protocol has been approved by the Community Medicine Division:

Associate Director, CMD Menhall

Date : 17 Nov 87

9. Abstract Summary:

14.00 bari mothers were trained and educated about basic concepts of diarrhoea, oral rehydration therapy and related issues in what is now called the Maternal Child Health and Family Planning (MCH-FP) area in Matlab. Bari mothers have been working voluntarily since 1979, supported and supplied oral rehydration salt (ORS) packets by village-based Community Health Workers (CHWs) of ICDDR,B. Chosen by the CHWs, bari mothers distribute ORS packets in their respective bari compounds, usually comprising of 5 to 10 families. They are all time available at home and ultimately train their

neighbouring mothers in their respective compounds. In the

comparison area of Matlab project, mainly the CHWs give ORS to the families and only at the time of their routine field visits. In other villages outside of ICDDR, B's Matlab project, none of these facilities are offered.

The overall aim of this investigation is to assess mothers' knowledge and practice about diarrhoea and oral rehydration therapy and compare the results between mothers from the MCH-FP area(bari mothers and their neighboring mothers), those from the comparison area and from the control area which will be chosen from outside of the present Matlab project. A survey will be carried out to understand mothers' knowledge and practice related to diarrhoea, oral rehydration therapy as well as to estimate diarrhoea episodes and ORS availability and use in the above mentioned three areas. Four categories of subjects will be interviewed namely, (i) bari mothers;

(iii) corresponding neighboring mothers from the MCH-FP area; (iii) mothers from the comparison area and (iv) mothers from the control area. A sample of all bari mothers will be randomly selected but only mothers currently having at least one under-five child will be eligible for the study. From each group 200 mothers will be randomly selected. A pretested questionnaire in easy Bengali language providing structured as well as open ended inquiries will be applied and augmented with information about under-five children in the family. Questions will be related to number of diarrhoeal episodes, outcome of illness and number of ORS packets received during six months prior to interview. History of current diarrhoea

including ORS consumption by under-five children will be obtained. Sample from ORS solutions prepared before visit and/or during visit will be collected in a sub sample of such cases. Besides, information related to personal charecteristic of the mother and family socioeconomic status will be collected. Records kept by bari mothers and CHWs will be utilized.

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a)	Ethical Review Committee	ويون وأراق الدول وسائل مديد وسي اماره مسايم امساء القالة طبياء سناك بدائلة وسائد المساء بالمارة الرساء أجارة أرسيد مارات الميام الميام الميام الميام
b)	Research Review Committee	هدي عليها ومام مقطة عليها عباس دعاء دعات مهام معام معام يعام مهام وهوا مهام مديد المد المد المدر المهام المهام عليان
c)	Director	and ratio with this way with the way had the man the thin the first had also also also also also also also also

SECTION II - RESEARCH PLAN

A. INTRODUCTION

1. Ojectives

The overall objective of this research is to evaluate mothers' knowledge and practice about diarrhoea and oral rehydration therapy. Secondary objective is to compare the results between mothers from the MCH-FP treatment area (i.e. bari mothers and corresponding neighboring mothers), mothers from the comparison area and mothers from the control area.

2. Background

Gastroenteritis is a major health hazard in paediatric practice. It is a major cause of morbidity and mortality-among preschool children of the developing world. A prospective study in a small Mayan village in Guatemala found that children suffer about eight episodes per child per year during the first three years of life (Mata, Urreatia and Gordon, 1978). A similar figure has been recorded for children studied in India and Bangladesh (Chakraborty and Das, 1983; Ghai, Kalra and Jaisawal, 1969; Black, et. al. 1982). In the Gambia the average child may spend 72 days a year with diarrhoea (Rowland and McCollum, 1977).

The cycle of diarrhoea and dehydration plagues the infant and young child population of the third world (Isely, 1982).

Diarrhoea and accompanying dehydration constitute a major

threat to the life and health of children 0 to 5 years most developing countries, with case fatality rates from 1 to 4% during the first 2 years of life (Morley, 1973). mortality from diarrhoea is almost always from dehydration attendant on massive losses of fluid and dehydration occurs when fluid losses exceed the ability of the child to compensate through an adequate oral intake (Isely, 1982). As for the outcome of dehydration, factors of importance include : (i) The care and supervision of the child, (ii) the knowledge of the mother and other care-takers of fundamentals of managing diarrhoea, (iii) their attitudes towards the problem, based on the severity, and the use of local harmful practices, such as purges and starvation therapy of diarrhoea (Thomson and Rahman, 1967). Several studies suggest that parients view ORS as a medicine to stop diarrhoea (Bentley, 1985: Faruque, et. al. 1985 : Curry, 1985). Among 500 rural and urban Indian mothers harmful beliefs regarding diet during diarrhoea included restrictions of food (98%), and lack of recognition of dehydration (Kumar et, al., 1981).

The efficacy of oral rehydration therapy in diarrhoea is well established (Mahalanobis, Chowdhury and Baghchi, 1973), despite considerable variation in electrolyte concentrations found in several studies carried out by the ICDDR,B in Bangladesh (Snyder, et. al., 1982: Molla, et. al., 1982: Islam, et. al., 1984). The modern management of acute

disease emphasizes oral rehydration and early diarrhoeal feeding with marked benefit (WHO CDD program, 1978-79). Such simple methods of management open the prospects of involving the mother in the care of the child at home early at the onset of diarrhoea (Rohde, 1977). A few studies have already shown that even the illiterate women can be taught to prepare and administer oral rehydration therapy at home (Cutting, 1979 : Ellerbrock, 1981). It is generally agreed that health education of mothers and other child care takers particular, must somehow play a crucial role in the prevention of this devastating condition of infants children (Isely, 1982). Given the right approach, mothers can retain what physicians and nurses teach and spread the word about rehydration: they can retain the essential information several months and what is more pass it on to their neighbors (El-Mougi, et.al. 1986).

This research is planned to be carried out in Matlab Upazilla in Chandpur district of Bangladesh where the ICDDR.B (former Cholera Research Laboratory) had been operating a field research station since 1963. Beginning 1966 a Demographic Surveillance System (DSS) was introduced and expanded among 233 villages containing a population of 2,76984 in 1974. The DSS was built on regular cross-sectional censuses and longitudinal registration of vital events (Births, Deaths, Migrations and Marriage). The detailed methodology and procedure of the system was documented earlier (Ruzicka and Chowdhury, 1978). In the later part of 1977, the DSS area was reduced and Family Planning Health Services Project (FPHSP) introduced in 70 villages with a population of 89,350. was design and services provided by the FPHSP have been published elsewhere (Bhatia et. al., 1980). villages with a population of 85,596 were designated comparison area and the remaining 84 villages were excluded from the study area. A preliminary study based on interview of mothers from clusters of houses (bari mothers) every two months and CHW's records of fortnightly visits in the FPHSP area (what is currently known as the MCH FP area) showed very ORS acceptance rates by diarrhoea cases and suggested with little or no education with mothers supervisions can be taught about diarrhoea and its management. (Yunus and Chakraborty, 1979). The above findings suffer from limitations since data were not presented from the comparison area nor was any control area considered. Therefore, evaluation of the ICDDR, B's ORS distribution particularly through the bari mothers necessary. The present investigation will include 12 villages each from the MCH-FF area and the comparison area. Another 12 villages selected from outside the present Matlab project will be considered as a control area.

3. Rationale

Bari mothers, the depot holders for ORS distribution, trained and educated by the village-based CHWs of ICDDR, B are

considered as important agents of diarrhoea intervention programme in Matlab MCH-FP area. Meant to deliver ORS packets and all time available at home, they are to ultimetely educate and train the neighboring mothers to prepare and administer ORS solution for prompt home management diarrhoea in children. To what extent the bari mothers could retain their education and training as well as impart their knowledge and practice related to diarrhoea rehydration are important areas of research. Investigation about constant availability of ORS at home, accuracy of preparation and administration of its solution as well estimation of diarrhoeal episodes in children in three different delivery systems, namely, treatment comparison are and control area are likely to make valuable contribution to our existing knowledge of diarrhoea control measures.

B. SPECIFIC AIMS

The specific aims of the study are :

- 1. To compare knowledge and practice about diarrhoea and oral rehydration therapy, ORS availability/use, preparation and administration of ORS solution between mothers from three different delivery systems namely, the MCH-FP treatment area, the Comparison area and the Control area.
- 2. To compare knowledge and practice about diarrhoea and oral rehydration therapy, ORS availability /use, preparation and administration of ORS solution in the treatment area between

the bari mothers and corresponding neighboring mothers.

- 3. To evaluate the quality and quantity of contact between the programme personnel and the mothers in the three delivery system areas.
- 4. To stratify knowledge and practice about diarrhoea and oral rehydration therapy, ORS availabity and use, preparation and administration of ORS solution according to mother's personal characteristics and family socioeconomic status in the three areas.

C. METHODS AND PROCEDURE

1. Methods

A one shot survey will be carried out in Matlab to assess knowledge and practice about diarrhoea and oral rehydration therapy, ORS availability and use, preparation and adminishbation of ORS solution among four categories of subjects — (i) bari mothers and (ii) their corresponding neighboring mothers, both groups from the present Matlab MCH—FP area, (iii) mothers from the comparison area and (iv) those from the control area. A sample of all bari mothers but only mothers currently having under—five children in the other three groups will be included in the study. A pretested questionnaire designed to provide structured and open—ended inquiries in easy Bangali language addressed to the mothers

will be augmented with information about all the under-five children in the family related to diarrhoeal episodes, outcome illness and number of ORS packets receive during six months prior to interview. History of current diarrhoea cases and ORS consumption by under-five children including samples of ORS solution prepared before and after visit by interview teams will be obtained. Besides, information related to personal characterístics of the mother and socio-economic status of the family will be collected. Records kept by bari mothers and CHWs will be utilized. Four teams, each consisting of a male interviewer and a female assistant of equivalent status to a CHW will be formed to complete the field work. The teams will be rotated systemetically to minimize interviewer bias. The principal investigator, the co-investigators and the field supervisor from the Matlab Special Studies Branch will be responsible to properly train the interview teams. The field supervisor will be specially responsible to coordinate daily activities related to field work and logistic support. The interviewers who will collecting data from the field will also do the coding according to their interview schedule. Field workers will need additional time to pre-test questionnaire and to make a listing of households in the Control area. It is estimated that field work will require about three months. analysis including coding will require about six months. Altogether, a study period of one year is anticipated.

2. Sample size

The sample size for each category of subjects - bari mothers, corresponding neighboring mothers, mothers from the comparison area and those from the control area, will bari mothers will be eligible for selection but mothers from the other three categories must have five children. For each sample of bari mothers there must be a corresponding neighboring mother from the same cluster of families to which the bari mother belongs. 12 villages each will be randomly selected out of 70 villages in the MCH FP area and 79 villages in the comparison area respectively. Then a sample of 200 bari mothers and corresponding 200 neighboring mothers will be rendomly selected from updated census books. From the comparison area villages 200 mothers will be selected in the same 12 villages will be randomly selected out of 84 procedure. villages which were discontinued from study in 1978. updated list of eligible mothers will be prepared from these villages and then a sample of 200 mothers will be randomly selected. The collected data will be stratified within each mothers by age, group of marital status. education, and socioeconomic characteristics of the family. attrition of the sample size due to factors such migration, pregnancy and refusal will be considered.

3. Data processing and analysis

Coding of the data will take place in Matlab so that any mistake detected in field work may be corrected promptly. The field supervisor from the Special Studies Branch will check the completed questionnaire and the coding work. The same interviewers who will be collecting data from the field will be responsible to code them. Considering the volume of data collected in this investigation service of computer will be utilized. Necessary tables and statistical test will be done by computer service.

4. Service Component:

- 1) All interviewers will be trained in basic concepts of diarrhoea, oral rehydration therapy, preparation of ORS solution and its administration to diarrhoea patients. The Matlab Hospital facilities will be utilized at the time of training.
- 2) All interview teams will carry ORS packets for diarrhoeal patients and media bottles to collect samples from ORS solution prepared at home before or during visit in case they come across any diarrhoea case in the study families.
- 3) All efforts will be made to provide transport to diarrhoea patients in case of an emergency.

D. SIGNIFICANCE

This investigation will be carried out to evaluate mothers responsible to distribute ORS in Matlab MCH-FP area ICDDR.B Trained by the CHWs of about since 1979. preparation and administration of ORS solution, they supposed to ultimately educate the neighboring mothers they serve and function as depot holders. It is well known that mothers with short training and minimum illiterate rural supervision can correctly prepare and administer oral rehydration solution to treat children with diarrhoea home. This is possible where there is continuous supply and regular availability of ORS packets in the village or from a nearby place. A resident health worker will be required in the village to ensure such a service. In the present national health service system this is not feasible will this be in the near future due to resourse constraint and prevailing socioeconomic conditions. On the contrary, a village mother , by whatever name she is called, is all the time available at home and is much more acceptable to other mothers socially and culturally. Being a regular resident the village she represents community participation. is a prerequisite of primary health care developing countries. Bari mothers or similar women, adequately supplied ORS and backed up by a health worker will successfully ensure higher acceptance and availability of ORS among the neighboring mothers.

ICDDR,B's MCH-FP programme provides an opportunity to test the appropriateness of management of diarrhoea by training and utilizing the village mothers chosen on the basis of clusters of contiguous houses. This is a new approach in diarrhoea intervention whose importance needs evaluation. If the bari mothers are found to retain the knowledge obtained in training and desseminate their knowledge and practice to their neighboring mothers, this system of diarrhoea management may serve as the basis of National Oral Rehydration Programme of Bangladesh.

E. FACILITIES REQUIRED

Office space

No new space is required, space is available in the Matlab Special Studies Branch.

Logistic

- Drop and pick-up by speedboats or ICDDR.B transport or use of country boats as situations need.

Personnel

four male interviewers,
four female CHWs, three
country boatmen, one
field supervisor and
occasional secretarial
and typing services.

Data management

Four Coders, services of one Data Entry Technician, a Programmer, and a Statistician will be required.

Supplies

- Stationeries, tape, etc.

F. COLLABORATIVE ARRANGEMENT

None

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ABSTRACT SUMMARY - PARTICULAR ITEMS

- 1. This study will involve a subject population of 800 mothers.
- 2. No risk is expected for the study population.
- The subjects will be informed about the kind of information collected, maintenance of confidentiality and their right to refuse to respond.
- 4. The subjects will be identified by their census numbers which are numeric codes. Handling of data are limited to the interviewers, their supervisor, coder and investigators of the research till the raw data will be entered into the computer. There would be no scope for unauthorized persons to distinguish individual characteristics after the data are collected and results published in aggregate.
- 5. A consent form prepared in vernacular will be read to every respondent. The respondent will either sign or put her left thumb impression on the form.
 - (a) Not applicable
 - (b) Not applicable
 - (c) Not applicable
- Every woman will be interviewed at home by a team of two interviewers. A respondent will be required to answer

questions asked in easy Bengali language. Each interview will take about half an hour.

- 7. No immediate or direct benefit to an individual or society is foreseen. However, this study will generate data which will create individual and community awareness by identifying the knowledge and practice about diarrhoea and oral rehydration therapy. Thus, the knowledge and practice known to be detrimental can be distinguished from those which are beneficial or neutral to the children.
- 8. This investigation well utilize records kept by bari mothers, CHWs and other morkers in the routine performance of their duties.

PROCEDURE TO MAINTAIN CONFIDENTIALITY

Respondents will be identified by numeric codes which will be used only in the homes for convenience of conversation and interview. The P.I. and supervisor will carefully handle the completed questionnaires. All the workers who will be dealing with the data will be trained, responsible and will be aware of the confidentiality of information.

ICDDR,B 1987 BUDGET PROPOSAL (In US \$)

PARTICULARS

Progr	am Name		:	COMMUNITY	MEDICINE DI	VISION
Proto	col/Branch Name		:	A STUDY O RELATED T REHYDRATI		AND PRACTICE AND ORAL N MATLAR:AN
Princ: Branch	ipal Investigator/ n Head/Project Dire	ector	:	M. SHAFIQ		·
Associ	late Director		:	DR. M.G.M	. ROWLAND	
Budget	Code		:			TE: IST JAN 198
Protoc	col No.		:			:31ST DEC 1987
EXPENS	SE CATEGORY		<u> </u>	Column A	Column B	Column C
	· · · · · · · · · · · · · · · · · · ·			Actual JanJul 1986	Estimated Whole Yr.	Proposed 1987
A/C	Description	Refer page	ø			
3100	Local Salaries	02				13,316
3500	Travel Local	15				110
3600	Travel Intl.	16				1,006
3700	Supplies & Mat	17 & 1	.8	•		•
0 0 81	Inter Deptl.Ser.	20				175
'OTAL I	DIRECT COST					16,536

PERSONNEL REQUIREMENT-(LOCAL STAFF) 1987

Desc	cription	No. of positions	No. of Man months	\$ Amount
Α.	Direct Project/Protocol/ Branch Staff at 1.1.1987 Sourced from Page 3	,		
Add	•			
В.	New Recruitments Sourced from Page 4	11	37	2,817
С.	Staff allocated from other area Sourced from Page 5	7	23	10,499
	(i) Sub-Total	18	60	13,316
Les	s:			
D.	Separations Sourced from Page 6	0	o	o
E.	Manpower allocated to other area Sourced from Page 7	0	0	0
	Sub Total (ii)	0	0	0
	Total (i -ii)	18	60	13,316

Supporting document

NEW RECRUITMENT- (LOCAL STAFF) - 1987

=======================================		EE22555		======	*****	2000年新华拉拉和西班里。
Job Designation	Level	Start date	No. of Posit.	No. of man Months	Rate per .Month	\$ Amount
Interviewer/Coder	GS III	1.1.87	4	16 ·	120	1,920
Community Health Worker		1.1.87	4	12	50	600
Country Boatman	Daily Wager	1.1.87	3	9	33	297
Total			11	37		2,817

Supposing document

MAN POWER -ALLOCATED FROM OTHER AREA (LOCAL STAFF-1987)

Job Designation	Level	No. of Positions	No. of Man Months	Rate per month	\$ Amount
Asstt. Scientist	NOB	1	12	623	7,476
* Station Head	NOD	1	2	1016	-
Sr. Field Research Officer	GS VI	1	6	383	2,298
Programmer .	NOB	1	12	410	205
Statistical Officer	GS V	1	1/2	200	100
Data Entry Technician	GS IV	1	1	150	150
Secretarial/Typing	GS VI	1 .	1	270	270
TOTAL		7	23		10,499

^{*} Time budgetted in relevant project

Page 11 of 21

MANPOWER ALLOCATED FROM OTHER AREA (INTERNATIONAL STAFF-1987)

Job Title	Level	No. of Position	No. of Man Months	Rate Per Month	\$ Amount
MCH-FP Physician	Р3	1	2	3670	7340*
,				•	

^{*}Time budgetted in relevant project

Job Designation Purpose of Travel travel	Purpose of travel	Travel From-To-From	No. of Estim. No.of Perdiem Transport om persons days of person Rate Amount Air Ground Travel days (B) (C=AXB)(D) (E) per prn (A)	Estim. days of Travel per prn	No.of person days (A)	Per Rate (B)	Rate Amount Air (B) (C=AXB) (D)	Trans Air ((D)	Sport Sround (E)	Other Cost (F) (Transport Other Total Air Ground Cost \$Amount (D) (E) (F) (C+D+E+F)
Asstt. Scientist	Field work	Field work Dhaka-Matlab	-	20	20	. ហ	100	0	10	0	110
TOT'L							100		 ₀₁ 		110

TRAVEL PLAN (INTERNATIONAL)-1987

Job Designation	Purpose of	Purpose of Travel Estim	Estim	Per	lem	Trans	Perdiem Transportation Other Total	Other	Total
	travel	From-To-From	days of travel (A)	Rate Amou	Amount (C=AXB)	Air (D)	Air Ground Cost Amount (D) (E) (F) (G=	Cost (F)	Amount (G= C+D+E+F
Asstt. Scientist	Conference	Dhaka Colombo Dhaka	7	99	420	550		35	1005
rotal					420	550		35	1005
** A STATE OF THE PARTY OF THE									

SUPPLIES AND MATERIALS-1987

A/C Code	Item Description	\$ Amount
3701	Drugs (ORS packets for field use)	75
3764	Stationery and office supplies (Air bags, ball-pen, Refill, Pencils, Clip Board, Stapler, Scotch Tape, Pads, Clip paper etc.)	100
Total		175

INTER-DEPARTMENTAL SERVICES-1987

A/C Code	Service Area	\$ Amount
4801	Computer	75
4803	Transport Mat¹ab	50
4804	Water Transport, Matlab	1250
4806	Xerox and Mimeograph	200
4809	Biochemistry	300
4821	Library Service Charges	50
Total		1,925

INTERVIEWEE CONSENT FORM

I know that the ICDDR,B interviewers are collecting information about mothers' knowledge and practice about diarrhoea and oral rehydration therapy in Matlab included as one of their respondents. I fully understand that I have the right to refuse to respond and can withdraw from the study whenever I like.

I am duly assured that confidentiality will be maintained about all information obtained. Under these conditions I do hereby agree to give my consent for interview.

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Signa	tυ	re/Left	thumb	impression	of	mother
Date	2	-alon wings bluss thank same fleshe kern #				of most others short garan upone office, begin study which thank upons. Affice Military

" ड्याऋा९ पाणास उपद्याणि जाउ "

(Bengali Version of subject consentform for field use)

णाति ज्यरभण जाहि त्य, जारे, जि. जि. जि. जात, ति त जाका९ श्रुरत
-काती भन भाजमा भाग्रथाना ३ व्रूर्थ थाङ्गात त्यामारेन यद्यत्म अप्रस्मापत
ज्ञात ३ श्रव्हांनेज त्रीजि अव्यक्त ज्ञात्र व्या अर्थ्य किर्ताहन । ज्यातं व्यादिक व्यादिक किर्माहक । ज्याति कृति
भाषात्व जाका९ श्रद्धान ना कतात ज्ञाविकात ज्ञात्र एक त्य त्कान अवस्य
भ कार्यक्रत्य ज्ञात्र श्रद्धान ना कतात ज्ञाविक व्याकित्व भाति । ज्ञाद्धान प्रभाव प्रभाव ज्ञात्र ज्ञातिक व्याक्तित्व भाति । ज्ञाद्धान प्रभाव प्रभाव प्रभाव ज्ञातिक व्याक्तित्व भाति । ज्ञाद्धान प्रभाव किर्माण स्थाव प्रभाव प्रभाव

भारम् आग्रत् राथता वा शरवत् वृद्धाष्ट्रतीत् हाण

जारिय/

QUESTIONNAIRE

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		•	Yes	No		
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		•	and also and the party of the p			
1. Wh	at do you u	nderstand by (diarrhoeal dis	ease?		
	•		ds of diarrhoe		Mark relat Spring Massa. Agust	atria dang didat digad ngapa tulup danga
	Yes	No(I+	f answer is 'N	o', skip	to Q	- No.3)
b)			different kin			
	their spec	fic features	?			
	Kinds of d	arrhoea	Spec	ific fea	tures	
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4.	When	do	you	consider	a chil	d with	diarrhoea	a requires
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5.	a)						iment when ered from c	your child Marrhoea?
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Gov	't hea	lth w	orker	and the same area area area for the	Homeo	path	erlang bleift billrab andres bennes me	e that and make their same and after our way
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Bari	i moth	er		ingo lipus anni palite sensi shiri ilini ilini anni sele Til S	any	other .	(please	e specify)
	b) W	hat t	reatm	ent did he	:/she rec	eive?		•
	Medi	cine	only	ame space and don't enter the space out	" dall''' della blace duge	Medicir	re and I.	V. saline
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	I.V.	sali	ne on)	ly	ρ	ny other	*	
	Medi	cine .	and Of	75	a adien, dilata erapi bayan epide wew bear		(brease	specify)
డు .	If	a ch	ild di	les from d	iarrhoea	, what	do you thi	nk it is
		ly du				·		
7.				or a child			diarrhoea	?
	Yes		***************************************	- No -	(I	f answer	is 'No' s	kip to 0.
				٠,	N	lo.8)		
	b) If	yes,	what?	,	where were party party layer along plans some	Why	Photo Study under James while Steel Wrong divine while). Street experience facts where district sales daily district
	c) If	no,	what?	·	The spin state over the seas over the	- Why	where come array array was stage with many air	شجان فرائه فتجه بنداه بدائه بالداء بالداء بالداء

8.	When your child had diarrhoea, what did you do about your
	breast milk?
	Stopped breast milk
	Increased it Made no change
9.	Did you breast feed your child in presence of the following
	illnesses?
	When you had diarrhoea: Yes No
	When you had fever: Yes No
	When your child had fever: Yes No
10.	Did you give other milk to your child when he/she had
	diarrhoea?
	Yes Why
	No
11.	What other foods did you give to your child when he/she had
	diarrhoea?
	No food Special food:
	Normal food (a) Chera
	Any other b) Barley
	(please specify) c) Sabu
	d) Any other(please specify)
12.	a) Other than frequent passage of watery like stool and or
	vomiting, do you know of any other difficulties or symtoms
	that a serious diarrhoa patient suffers from?
	Yes No (If answer is 'No' skip to Q.
	No. 13).

	D/ IT yes, what are they:
	c) What would you do about them?
13.	a) Do you know about the use of oral rehydration salt (DRS)
	in diarrhoea?
	Yes No (If answer is 'No' skip to Q. No.14)
	b) If yes, How did you know about it?
	When?
14.	a) Do you know how to prepare ORS solution? (If answer is
	'No' skip to Q. No. 15).
	b) If yes, please tell us how did you learn about it?
	When?
15.	When there was a diarrhoea in your child (or any child in your family), when did you start giving ORS solution?
16.	
	Q. No.17).
	b) If yes, who gave you the packets?
	c) What is the date of manufacture read on the
	packets?
	(Interviewer to check this)
17.	a) Do you know about the use of lobon-gur in diarrhoea?
	Yes No (If answer is 'No' skip to Q.
	No.20).
	b) If yes, who told you about it?
	When?

18.	a) Do you know what are the constituents of lobon-gu
	solution?
	YesNo(If answer is 'No', skip to Q.
	No.19).
	b) If yes, please tell us the constituents:
	c) Please, tell us how did you come to know about these?
	the same party from the same while while the same was the same who
	When?
19.	When there was a diarrhoea in your child (or any child in
	your family), when did you start giving lobon-gur solution?
20.	a) Do you have gur available in your home to-day?
	Yes No (If answer is 'No', skip to Q .
	No.21).
i	b) If yes, when did you purchase it?
	•
21.	a) Do you know about the use of any other kind of oral
	rehydration therapy in diarrhoea?
Yes	No (If answer is 'No', skip to Q. No. 23).
b) If yes, what is it?
•	How did you come to know about it?
-	
22.	When? a) Do you know what are constituents of it (according to 21
	· ·
,	b)?
	Yes No (If answer is 'No', skip to No.23).

	b) I	f yes, p	lease	tell us the	constituents :	white the rate whe when the rate that the party and the rate and
	c) P	lease te	11 us	how did you	come to know a	bout these?
				1.14		
23.	The	followin	g info	rmation show	ld be collecte	d for all under
	five	childr	en in	the family (on the basis o	f all possibl
	reco	rds of	bari m	others, CHW	s etc. (six m	onths prior t
ā.	inte				ea episodes ex	•
			Sex	Relation to respondent	No. of diarrhoea episodes	of diarrhoea
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24. Th	ne ·	follow	ing in	for	mation	shoul	d be	colle	cted	foi	r a	present
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Remarks	(if	any):			•			of delite states place galley copy your				
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अनु भाना

(Bengali Version of question haire for field use) সাহাত দাতা মায়ের নাম বাড়ীর নাম _____ সাবজেক কেটেগরি ____ সি, আই, ভি নং আর, আই, ডিনং ুগ্রু ১ বিদ্যান করে । শুরু ১ বিদ্যান সুমীর পেশা _____পরিবারে শিকার সর্বোচ্চ মান পরিবারের শ্রেণী ____ স্থাদী ৰাড়ীর বাহিরে থাকেনঃ হটা ___ ন পরিবারে বানুর্ছা (অথবা না) আছেনঃ খাঁ ____ না ১। ভাষু द्रिया द्रांग विलिष्ठ जानिन कि वृत्यन ? (ক) ডায়রিয়া রোগের প্রকারতেদ আছে কি? **1** | হাা ____ না ____ (উত্তর 'না' হলে, ৩নং প্রহুে যান ১ < ব > ভাগুরিয়া রোগের যদি প্রকারভেদ খাকে, তবে উহাদের প্রকারভেদে নাম ও বৈশি ফ্লামুহ वन्य : ण प्रतिया द्वारण ब अका ब्रांडर प्रमाय देव निक्षेत्रपृष्ट

কোন বয়ুদে ভায়ুরিয়া রোগ মারাত্মক ভাবে দেখা দেয় ?

_____ কেন ?

একটি ভায়রিয়া রোগে আএমনু শিশুর ক্থন চিকিৎপার প্রয়োজন হয় বলে আপনি মনে করেন? ৫ (২ স্থাপনার বো আপনার পরিবারে কোন) শিশুর ডায়রিয়া রোগের চিকিৎসার মন্য শেষ वात्र काथाय शिद्यादिकान ? দি,এইচ,ডব্লিউ গ্রাম্য চিকিৎসঞ সরকারী ডাওসর वारे, नि, छि, छि, वात्र, वि সরকারী স্থান্থ্য ক্রী मद्रकादी रामनाजान क्विज्ञाष वा की मानाइ হ্যামিওগ্যাথিক ভার্তনর वनाना (निर्मिक करते वर्त्ते) (४) উও॰ निवृ कि श्रद्धान हिकिशमा प्राटकृष्टित? উষধ ও পিরায় বেওয়ার স্যানাইন दक्रम देशप বিরায় বেওয়ার সালাইন ও কেবল খাওয়ার স্থানাইন __ बाक्यांत्र मानारेन কেবল পিরায় দেওয়ার স্যানাইন यमि द्यान निभू जायुत्रिक्षा दक्षारम वाक्षा वायु, ठटन अधानठः कि कि जनुविधा ना नक्ष ठाइ मृठ्युत छना माम्री रात वनि गटन क्टेंबन ? व। (क) जागृतिया द्वागावयमु निवृत नाक नामीय ग्रहन कहा छैठिछ कि ? ८ उँउत्र 'ना' श्राम, ४ न१ अब्द आन्) शा: न

(খ) খাঁঁ খনে, কি পানীয় গ্ৰহণ করা উচিত ? _____ কেন ?____

(গ) না হলে, কি শানীয় গ্রহণ করা উচিত না?____ কেন?____

61	আপনার সন্তুবের য	व्य जाप्रतिगा लिए। हिन्	, ठवर धालमात्र कृदस	র দুধ খাওয়ানোর
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	আর কোন খাবা	দেন নাই	ৰিশেষ খাবার দি।	য়েছেন :
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	* · · · · · · · · · · · · · · · · · · ·	निद्युष्ट्य	ষ্ঠ বার্নি	-
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५५ १ ८३	₹)খন খন পাচ লা পা	प्रधाना वा विभ दृख्या ६		
•	•	श्यामा या यामः २७३। य श्यम जना स्कान खत्रुविक्ष		
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	78 (L.) 1000-
20 1(季)	णापृतिमा दहारण में खना था थयान मातारेन वानशदत्र कथा छाटनन कि?
	र्रा ्या (उत्तर 'गा रत, १७ गर अत्य गान)
(4)	यपि कारचन, राजून क्लिएर कानरलन ?
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281 (4 .)	্ মাওয়ার স্যালাইন সর্বত কিভাবে তৈরী করা হয় আপনি জানেন কি ?
	খী না (উভর 'না' হলে, ১৬ নং প্রশ্নে যান)
⟨₹⟩	यिप छार्चन, बंतून किलारव छान्यत्वन ?
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201	वापनात (या वापनात पतिवादत द्यान) मिमूत यथन छापृतिपा द्वाप इत्पृष्टिन,
3 ()	जानमात्र (वा जानमात्र नित्तिवादत्रत्र रकाम) निमृत्र यथन जागृतिग्रा रतान शराहिन, कथन बाउदात्र नामिन नत्रवरु एएउगा मृहु करत्रविस्तम ?
3	
701(<u>4</u>)	क्यन बाल्यात ज्ञालाक्येन अत्रवल एमल्या बृह् क्टब्रिस्टन ?
	क्यन बाउद्यात ज्ञालाक्येन अत्रविष्ठ एम् अग्न बृह् क्टब्रिस्टिन ?
761(♣)	ক্ষন মাওয়ার স্যালাইন সরবত দেওয়া বুরু করেছিলেন ? আজ আপনার ঘরে কোন বাওয়ার স্যালাইনের বেকেট আছে কি ?
(\$)	কাৰ যাওয়ার জ্যানাইন সরবত দেওয়া শুরু করেছিনেন ? আজ আপনার হারে কোন হাওয়ার স্যানাইনের আকেট আছে কি ? ইয়া না ভিতর বনা হনে, ১০ নও প্রশ্নে যান) যদি থাকে, বনুন আপনাকে পেকেট কে দিয়েছে? পেকেট তৈরার তারিধ কবে? সোকাত প্রহণকারী পরীক্ষা করে নিহ্নেন)
(如) (如)	কাৰ যাওয়ার স্যালাইন সরবত দেওয়া বুরু করেছিলেন ? আজ আপনার হরে কোন যাওয়ার স্যালাইনের বেকেট আছে কি ? ইয়া না ভেডর না হলে, ১০ নও প্রশ্নে যান> যদি থাকে, বনুন আপনাকে পেকেট কে দিয়েছে ? পেকেট তৈরার তারিখ কবে ? (সাকাত প্রহণকারী প্রীষ্ঠা করে নিহ্নেন)
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