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EVALUATION OF THE VOLUNTARY
STERILIZATION PROGRAM

TABLES ON BANGLADESH GOVERNMENT (BDG)
CLINICS
FOR
OCTOBER - DECEMBER 1986 QUARTER

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INTRODUCTION

In accordance with the agreement between the Bangladesh Government (BDG) and the USAID, a protocol was signed stipulating the reimbursement by the latter of the selected costs of BDG Voluntary Sterilization (VS) Program. The protocol also provides for an independent audit/evaluation of the VS program. Accordingly, in March 1983, USAID, Dhaka, appointed M/s. M.A. Quasem & Co. - a Bangladeshi Chartered Accountants firm to conduct quarterly audit of the voluntary sterilization of BDG clinics. The contract expired in December, 1984. However, another agreement signed between USAID and M.A. Quasem & Co. provided scope for conducting eight quarterly evaluation of the VS program covering both BDG and NGO¹ clinics beginning from January-March 1985 quarter. Under the given objectives and approved methodology, the present report, the eighth of its kind, is the evaluation of the October-December 1986 quarter of the VS program of both BDG and NGO done through a nationally representative sample survey. The report has already been submitted to the USAID, Dhaka.

The field survey of the eighth quarterly evaluation was carried out in December 1986 and January 1987. It was conducted in 50 selected upazilas of the country of which 38 upazilas were selected for evaluation of BDG clinics and the rest 12 upazilas were selected for NGO clinics only. From these selected upazilas, 1520 BDG clients and 480 NGO clients were selected for field survey. Data were collected for those clients from both the clinic records and from the clients directly through personal interview.

¹ Non-government organisation

The detailed methodology and the objectives of the evaluation are contained in the report of the evaluation of the VS program for October-December 1986 quarter and hence are not repeated here.

According to the contract, this report, containing selected tables based on weighted client sample, has been prepared separately on the findings of BDG clinics only as 'parallel tables' of the report of the eighth quarter of the evaluation of the VS program and are shown in the annexure.

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ANNEXURE
BDG TABLES

Table 1: Percentage distribution of the SELECTED CLIENTS by
results of clients survey

Results of clients' survey	Categories of clients		
	Tubectomy	Vasectomy	All
A. INTERVIEWED	<u>83.2</u>	<u>70.3</u>	<u>76.0</u>
Sterilized within the reference quarter in the recorded clinic	83.2	69.8	75.7
Sterilized before the reference quarter in other than the recorded clinic	-	0.1	0.1
Sterilized twice (1st operation before the quarter in other than the recorded clinic and 2nd operation within the quarter in the recorded clinic)	-	0.2	0.1
Never sterilized	-	0.2	0.1
B. NOT INTERVIEWED	<u>14.9</u>	<u>27.0</u>	<u>21.6</u>
Clients not available	9.2	22.3	16.4
Client has permanently left the recorded address	1.0	1.1	1.1
Client was only temporarily visiting the recorded address	4.7	3.6	4.1
C. ADDRESS NOT LOCATED	<u>1.9</u>	<u>2.7</u>	<u>2.4</u>
Address does not exist/ not found	1.8	2.7	2.3
Not attempted	0.1	-	0.1
Total	100.0	100.0	100.0
Weighted N	677	843	1520

Estimated false* cases for tubectomy : 1.8 percent

Estimated false* cases for vasectomy : 3.2 percent

*False cases means those clients who fall under the category, 'sterilized before the reference quarter in other than the recorded clinic', 'sterilized twice', 'never sterilized', and 'address does not exist/not found'.

Table 2: Percentage distribution of all the SELECTED CLIENTS
by type and status of informed consent forms

Status of informed consent form	Type of operation		Total
	Tubectomy	Vasectomy	
<u>USAID-approved</u>			
Signed by clients	97.6	97.9	97.8
Not signed by clients	0.6	0.2	0.4
<u>Not USAID-approved</u>			
Signed by clients	1.8	1.8	1.8
Not signed by clients	-	-	-
<u>No informed consent form</u>	-	0.1	0.0
Total	100.0	100.0	100.0
Weighted N	677	843	1520

Table 3: Percentage distribution of the ACTUALLY STERILIZED
CLIENTS by types of informed consent forms and
status of signing

Types of consent forms and status of signing	Categories of clients		
	Tubectomy	Vasectomy	All
<u>USAID-approved</u>			
Signed by clients	97.9	98.1	98.0
Not signed by clients	0.5	0.3	0.4
<u>Not USAID-approved</u>			
Signed by clients	1.6	1.4	1.5
Not signed by clients	-	-	-
<u>No informed consent form</u>	-	0.2	0.1
Total	100.0	100.0	100.0
Weighted N	563	588	1151

Table 4: Percentage distribution of the actually sterilized clients by status of informed consent forms and status of receipt of surgical apparel

Status of informed consent form	Status of receipt of surgical apparel	Categories of clients		
		Tubectomy	Vasectomy	All
USAID-approved informed consent forms signed by clients	Received	97.9	97.3	97.6
	Did not receive	-	0.9	0.4
<u>Sub-total</u>		<u>97.9</u>	<u>98.2</u>	<u>98.0</u>
Informed consent form not USAID-approved/ informed consent form USAID-approved but not signed by clients/ no consent form	Received	2.1	1.8	2.0
	Did not receive	-	-	-
<u>Sub-total</u>		<u>2.1</u>	<u>1.8</u>	<u>0.7</u>
All	Received	100.0	99.1	99.6
	Did not receive	-	0.9	0.4
<u>Total</u>		<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
<u>Weighted N</u>		<u>563</u>	<u>508</u>	<u>1151</u>

Table 5: Percentage distribution of the actually sterilized tubectomy clients by amount reportedly received

Amount reportedly received in Taka	All clients	Status of facilities received	
		Received any facility	Received no facility
175.00	92.0	NA	NA
170.00	2.8	0.9	1.9
165.00	0.5	0.5	-
160.00	2.1	1.9	0.2
155.00	0.2	0.2	-
150.00	1.6	0.7	0.9
140.00	0.2	-	0.2
120.00	0.2	0.2	-
105.00	0.2	-	0.2
90.00	0.2	0.2	-
Total	100.0	4.6	3.4
Weighted N	563		

Reported average amount: Tk.173.61

Estimated average amount considering the 'received any facility' category received the approved amount: Tk.174.47

Note: NA in the table stands for not applicable cases.

Table 6: Percentage distribution of the actually sterilized vasectomy clients by amount reportedly received

Amount reportedly received in Taka	All clients	Status of facilities received	
		Received any facility	Received no facility
175.00	93.5	NA	NA
172.00	1.7	-	1.7
170.00	2.2	-	2.2
160.00	0.2	0.2	-
155.00	0.2	-	0.2
150.00	0.2	-	0.2
140.00	0.3	-	0.3
125.00	0.3	-	0.3
120.00	0.2	-	0.2
100.00	0.6	-	0.6
90.00	0.2	-	0.2
80.00	0.2	-	0.2
50.00	0.2	-	0.2
Total	100.0	0.2	6.3
Weighted N	588		

Reported average amount: Tk.173.32

Estimated average amount considering the 'received any facility' category received the approved amount: Tk.173.35

Note: NA in the table stands for not applicable cases

Table 7: Percentage distribution of the actually sterilized clients by status of promise for unapproved items

Status of promise for unapproved items	Categories of clients		
	Tubectomy	Vasectomy	All
Promised for unapproved items	-	-	-
Not promised for unapproved items	100.0	100.0	100.0
Total	100.0	100.0	100.0
Weighted N	563	588	1151

Table 8: Percentage distribution of the actually sterilized clients by whether they knew before sterilization that they could not have any child after accepting sterilization

Status of knowledge	Categories of clients		
	Tubectomy	Vasectomy	All
Knew	100.0	99.8	99.9
Did not know	-	0.2	0.1
Total	100.0	100.0	100.0
Weighted N	563	588 ^a	1151

^a Includes one vasectomy client who reported that he was tempted by the helper but found to have been sterilized in the recorded clinic within the reference quarter. The subsequent tables have been prepared by excluding this client.

Table 9: Percentage distribution of the actually sterilized clients by the length of time they had seriously thought about having the sterilization method

Period	Categories of clients		
	Tubectomy	Vasectomy	All
1 day to 7 days	6.4	14.0	10.3
8 days to 15 days	3.4	6.5	4.9
16 days to 29 days	0.3	0.5	0.4
1 month to 2 months	17.1	22.1	19.7
More than 2 months to 4 months	8.7	9.9	9.3
More than 4 months to 6 months	10.1	8.9	9.5
More than 6 months to 12 months	31.3	17.0	24.0
More than 1 year	22.7	21.1	21.9
Total	100.0	100.0	100.0
Weighted N	563	587	1150

Table 10: Percentage distribution of the actually sterilized clients by categories whether they had talked to anyone who had already had a sterilization before their operation

Whether talked to anyone or not	Categories of clients		
	Tubectomy	Vasectomy	All
Talked	75.3	64.4	67.7
Did not talk	24.7	35.6	30.3
Total	100.0	100.0	100.0
Weighted N	563	587	1150

Table 11: Percentage distribution of the actually sterilized clients by the length of time they had seriously thought about having the sterilization method and whether they had talked to anyone who had already had a sterilization before their operation

Period of thinking before sterilization	Type of operation					
	Tubectomy			Vasectomy		
	Talked	Did not talk	Total	Talked	Did not talk	Total
Less than 30 days	5.5	4.6	10.1	8.2	12.8	21.0
1 month to 6 months	26.3	9.6	35.9	24.4	16.5	40.9
More than 6 months to 12 months	24.7	6.6	31.3	14.1	2.9	17.0
More than 1 year	18.8	3.9	22.7	17.7	3.4	21.1
Total	75.3	24.7	100.0	64.4	35.6	100.0
Weighted N			563			587

Table 14: Percentage distribution of the actually sterilized
vasectomy clients by recorded and reported helpers

Recorded helper \ Reported helper	BDG fieldworker	Other NGO fieldworker	BDG registered agent	Registered Dai	Went alone	Does not know	All
BDG fieldworker	23.5	0.9	13.6	1.7	3.2	0.3	43.2
Other NGO fieldworker	0.2	1.8	1.4	-	0.5	0.3	4.2
BDG registered agent	0.9	-	47.2	-	1.9	0.9	50.9
Registered Dai	-	-	-	1.7	-	-	1.7
Total Weighted N = 587	24.6	2.7	62.2	3.4	5.6	1.5	100.0

Table 15: Percentage distribution of the actually sterilized tubectomy clients
by reported age of client and husband

Age group of clients (in years)	Age group of husband (in years)												Total
	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	
15 - 19	0.2	0.2	-	-	0.5	-	-	-	-	-	-	-	0.9
20 - 24	-	2.5	5.5	2.5	1.6	0.4	0.2	-	-	0.2	-	-	12.9
25 - 29	-	0.3	14.9	17.2	3.5	2.3	0.7	0.7	0.7	-	1.1	-	41.4
30 - 34	-	-	0.2	8.3	15.5	5.1	1.9	0.2	-	-	-	-	31.2
35 - 39	-	-	-	0.2	3.2	3.7	2.7	0.2	0.2	0.2	-	0.2	10.6
40 - 44	-	-	-	-	-	0.5	0.9	0.3	0.8	-	-	-	2.5
45 - 49	-	-	-	-	-	-	-	0.5	-	-	-	-	0.5
Total	0.2	3.0	20.6	28.2	24.3	12.0	6.4	1.9	1.7	0.4	1.1	0.2	100.0
Weighted N = 563													

Mean age (in years) : Clients : 29.9
Husband : 40.9

Table 16: Percentage distribution of the actually sterilized vasectomy clients by reported age of client and wife

Age group of clients (in years)	Age group of wife (in years)								Total
	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50+	
20 - 24	0.7	-	-	-	-	-	-	-	0.7
25 - 29	1.8	5.6	0.8	-	-	-	-	-	8.2
30 - 34	0.2	9.5	7.7	-	-	-	-	-	17.4
35 - 39	-	0.8	12.3	4.8	-	-	-	-	17.9
40 - 44	0.2	0.2	3.2	10.4	3.9	-	-	-	17.9
45 - 49	-	0.2	1.4	5.1	9.2	0.2	-	-	16.1
50 - 54	-	0.2	2.0	1.4	6.6	2.7	0.2	-	13.1
55 - 59	-	-	-	0.9	0.3	0.9	1.0	0.2	3.3
60 - 64	-	-	0.2	0.6	1.4	0.8	0.2	-	3.2
65 - 69	-	-	-	0.2	0.2	0.3	0.3	0.7	1.7
70 - 74	-	-	-	-	0.2	-	-	0.3	0.5
Total	2.9	16.5	27.6	23.4	21.8	4.9	1.7	1.2	100.0
Weighted N = 587									

Mean age (in years): Client : 42.3
Wife : 30.9

Table 17: Percentage distribution of the actually sterilized clients by reported number of living children

Reported number of living children	Categories of clients		
	Tubectomy	Vasectomy	All
0	0.2	0.5	0.3
1	3.7	4.3	4.0
2	20.6	23.3	22.0
3	27.2	27.1	27.1
4	21.7	14.8	18.2
5	14.0	13.1	13.6
6	7.1	7.8	7.5
7	3.2	4.8	4.0
8	0.9	1.7	1.3
9	0.4	0.2	0.3
10+	1.0	2.4	1.7
Total	100.0	100.0	100.0
Weighted N	563	587	1150
Mean number of living children	3.7	3.8	3.8
	3.7	3.8	3.8

Table 18: Percentage distribution of the actually sterilized clients by employment status of women

Employment status of wife/client	Categories of clients		
	Tubectomy	Vasectomy	All
Employed with cash earning	10.5	11.2	10.9
Employed without cash earning	8.5	2.9	5.7
Not employed	81.0	85.9	83.4
Total	100.0	100.0	100.0
Weighted N	563	587	1150

Table 19: Percentage distribution of the actually sterilized clients by occupation of husband/wife

Occupation of husband/wife	Categories of clients		
	Tubectomy	Vasectomy	All
Agriculture	23.6	27.2	25.5
Day labour	60.8	61.0	60.9
Business	8.5	8.9	8.7
Service	5.3	1.4	3.3
Not employed	1.4	0.5	0.9
Others	0.4	1.0	0.7
Total	100.0	100.0	100.0
Weighted N	563	587	1150

Table 20: Percentage distribution of the actually sterilized clients by their educational level

Educational level	Categories of clients		
	Tubectomy	Vasectomy	All
No schooling	91.3	66.6	78.7
No class passed	0.2	0.5	0.4
Class I - <u>IV</u>	4.6	19.1	12.0
Class <u>V</u>	3.0	4.6	3.8
Class <u>VI</u> - <u>IX</u>	0.7	8.0	4.4
SSC and HSC	-	1.0	0.5
Degree and above	0.2	0.2	0.2
Total	100.0	100.0	100.0
Weighted N	563	587	1150

Table 21: Percentage distribution of the actually sterilized clients by religion

Religion	Categories of clients		
	Tubectomy	Vasectomy	All
Muslim	79.6	84.5	82.1
Hindu	19.4	13.3	16.3
Christian	1.0	0.2	0.6
Others	-	2.0	1.0
Total	100.0	100.0	100.0
Weighted N	563	587	1150

Table 22: Percentage distribution of the actually sterilized clients by ownership of land

Status of land ownership	Categories of clients		
	Tubectomy	Vasectomy	All
Owned land	30.9	33.6	32.3
Did not own land	69.1	66.4	67.7
Total	100.0	100.0	100.0
Weighted N	563	587	1150

Table 23: Percentage distribution of the service providers/helpers by status of interview

Interview status	Categories of service providers/ helpers		
	Physician	Clinic staff	Helpers
Interviewed	63.7	78.1	69.1
Not interviewed	36.3	21.9	30.9
Total	100.0	100.0	100.0
Weighted N	91	105	285

Table 24: Percentage distribution of the clients whose helpers were interviewed by status of receipt of helper fee

Status of receipt of helper fee reported by helpers	Number of clients whose helpers were interviewed		
	Tubectomy	Vasectomy	All
Received	99.3	100.0	99.6
Did not receive	0.7	-	0.4
Total	100.0	100.0	100.0
Weighted N	146	138	284

Table 25: Estimated proportions of clients actually sterilized by selected upazila

District/upazila	Selected sample size			Proportion of actually sterilized cases for the sample		
	Vas.	Tub.	All	Vas.	Tub.	All
<u>DINAJPUR</u>						
Kaharol	19	21	40	1.00	1.00	1.00
Hakimpur	26	14	40	1.00	1.00	1.00
Nawabgonj	31	9	40	1.00	1.00	1.00
Birampur	22	18	40	1.00	1.00	1.00
<u>PNACHAGARH</u>						
Boda	33	7	40	0.94	1.00	0.95
Sadar	24	16	40	1.00	1.00	1.00
Atwari	22	18	40	1.00	1.00	1.00
Debigonj	14	26	40	1.00	1.00	1.00
<u>NILPHAMARI</u>						
Jaldhaka	24	16	40	0.92	0.81	0.88
<u>RANGPUR</u>						
Pirgacha	3	37	40	1.00	0.95	0.95
Taragonj	39	1	40	0.95	1.00	0.95
<u>GAIBANDHA</u>						
Sadullahpur	21	19	40	1.00	1.00	1.00
Shaghata	5	35	40	1.00	1.00	1.00
<u>BOGRA</u>						
Nandigram	16	24	40	1.00	1.00	1.00
Adamdighi	38	2	40	0.97	1.00	0.98
Kahaloo	38	2	40	1.00	1.00	1.00
<u>JOYPURHAT</u>						
Akkelpur	11	29	40	1.00	1.00	1.00
Panchbibi	34	6	40	0.94	1.00	0.95
Sadar	14	26	40	1.00	1.00	1.00
<u>NATORE</u>						
Sadar	2	38	40	1.00	1.00	1.00
<u>SERAJGONJ</u>						
Kazipur	24	16	40	0.67	1.00	0.80
Raygonj	29	11	40	1.00	1.00	1.00
<u>JESSORE</u>						
Monirampur	39	1	40	1.00	1.00	1.00

District/upazila	Selected sample size			Proportion of actually sterilized cases for the sample		
	Vas.	Tub.	All	Vas.	Tub.	All
<u>KHULNA</u>						
Paikgacha	2	38	40	1.00	1.00	1.00
<u>SATKHIRA</u>						
Kaligonj	14	26	40	1.00	1.00	1.00
<u>TANGAIL</u>						
Ghatail	2	38	40	0.50	1.00	0.98
Modhupur	26	14	40	1.00	1.00	1.00
<u>MYMENSINGH</u>						
Bhaluka	14	26	40	0.93	1.00	0.98
Muktagacha	18	22	40	1.00	1.00	1.00
<u>NETROKONA</u>						
Atpara	27	13	40	0.89	1.00	0.93
<u>SYLHET</u>						
Golapgonj	32	8	40	1.00	1.00	1.00
<u>SUNAMGONJ</u>						
Derai	13	27	40	0.92	0.96	0.95
Sadar	11	29	40	1.00	1.00	1.00
Chattak	33	7	40	0.91	1.00	0.93
<u>BRAHMANBARIA</u>						
Sarail	4	36	40	1.00	1.00	1.00
<u>COMILLA</u>						
Chowddagram	4	36	40	1.00	0.97	0.98
Chandina	8	32	40	0.88	1.00	0.98
<u>FENI</u>						
Dagonbhuiyan	-	40	40	-	1.00	1.00
Total	736	784	1520	0.96	0.99	0.98