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EVALUATION OF THE VOLUNTARY
STERILIZATION PROGRAM

Tables on Bangladesh Government (BDG) Clinics
for
July-September 1985 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 the 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 third of its kind, is the evaluation of the July-September 1985 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 third quarterly evaluation was carried out in September and October of 1985. 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 those 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.

The detailed methodology and the objectives of the evaluation are contained in the report of the evaluation of the VS program for July-September 1985 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 third quarter of the evaluation of the VS program and are shown in the annexure.

¹ Non-government organization

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ANNEXURE
BDG TABLES

Table 1: Percentage distribution of all clients by
status of locating the clients

Status of locating the clients	Categories of clients		
	Tubectomy	Vasectomy	All
<u>Client located</u>	<u>93.1</u>	<u>88.8</u>	<u>90.2</u>
Interviewed	83.2	76.5	78.7
Not interviewed	9.9	12.3	11.5
<u>Client not located</u>	<u>6.9</u>	<u>11.2</u>	<u>9.8</u>
Client permanently left the address	0.8	2.7	2.1
Client was only temporarily visiting the address	5.7	3.8	4.4
Address not found	0.2	4.4	3.0
Not attempted	0.2	0.3	0.3
<u>Total</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
<u>Weighted N</u>	<u>494</u>	<u>1026</u>	<u>1520</u>

Table 2: Percentage distribution of the interviewed clients by reported clinics

Reported clinic	Categories of clients		
	Tubectomy	Vasectomy	All
Recorded clinic	98.3	97.0	97.5
Other than the recorded clinic	1.7	1.4	1.5
<u>Sterilized twice</u>			
Recorded clinic and other than the recorded clinic	-	0.3	0.2
<u>Never sterilized</u>			
Never visited the recorded clinic	-	0.5	0.3
Visited the recorded clinic for other purpose	-	0.5	0.3
Did not know the recorded clinic	-	0.3	0.2
Total	100.0	100.0	100.0
Weighted N	411	785	1196

Table 3: Percentage distribution of the interviewed clients by status of reported date of operation

Status of date of operation	Categories of clients		
	Tubectomy	Vasectomy	All
Within the quarter	97.8	94.6	95.7
<u>Before the quarter</u>			
Upto 3 months	-	0.8	0.6
8 months to 12 months	1.2	1.8	1.6
18 months to 2 years	0.3	0.4	0.3
2 years above	0.7	0.8	0.8
<u>Sterilized twice</u>			
1st operation before the quarter and 2nd operation within the quarter	-	0.3	0.2
<u>Never sterilized</u>			
Never visited the recorded clinic	-	0.5	0.3
Visited the recorded clinic for other purpose	-	0.5	0.3
Did not know the recorded clinic	-	0.3	0.2
Total	100.0	100.0	100.0
Weighted N	411	785	1196

Table 4 : Percentage distribution of the interviewed clients by status of reported date of operation and by status of reported clinics

Status of reported clinic	Status of reported date of operation	Tubectomy				Vasectomy				All					
		Within the quarter	Before the quarter	Never sterilized	All	Within the quarter	Before the quarter	Within the quarter and before the quarter	Never sterilized	All	Within the quarter	Before the quarter	Within the quarter and before the quarter	Never sterilized	All
Sterilized in the recorded clinic		97.8	0.5	-	98.3	94.6	2.4	-	-	97.0	95.7	1.8	-	-	99.5
Sterilized in other than the recorded clinic		-	1.7	-	1.7	-	1.4	-	-	1.4	-	1.5	-	-	1.5
Sterilized twice (sterilized in the recorded clinic and other than the recorded clinic)		-	-	-	-	-	-	0.3	-	0.3	-	-	0.2	-	0.2
Never sterilized		-	-	-	-	-	-	-	1.3	1.3	-	-	-	0.8	0.8
Total		97.8	2.2	-	100.0	94.6	3.8	0.3	1.3	100.0	95.7	3.3	0.2	0.8	100.0
Weighted N					411					785					1196

Table 5: Percentage distribution of the SELECTED CLIENTS by
results of interviews

Results of interviews	Categories of clients		
	Tubectomy	Vasectomy	All
A. CLIENT LOCATED:			
<u>Interviewed</u>			
Sterilized within the quarter in the recorded clinic	81.4	72.4	75.3
Sterilized before the quarter in the recorded clinic	0.4	1.9	1.4
Sterilized before the quarter in other than the recorded clinic	1.4	1.0	1.2
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	-	1.0	0.7
<u>Not interviewed</u>	9.9	12.3	11.5
B. CLIENTS NOT LOCATED:			
Client has permanently left the address	0.8	2.7	2.1
Client was only temporarily visiting the address	5.7	3.8	4.4
Address not found	0.2	4.4	3.0
Not attempted	0.2	0.3	0.3
Total	100.6	100.0	100.0
Weighted N	494	1026	1520

Estimated false* cases for tubectomy : 2.0 percent
 Estimated false cases for vasectomy : 8.5 percent

*False cases means the clients those fall under category, 'address not found', 'never sterilized clients', 'operations not done in the quarter', operations not done in the recorded clinic', and 'double operations'.

Table 6 : 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	99.2	99.6	99.5
Not signed by clients	-	0.2	0.1
<u>Not USAID-approved</u>			
Signed by clients	0.8	0.2	0.4
Not signed by clients	-	-	-
Total	100.0	100.0	100.0
Weighted N	494	1026	1520

Table 7 : 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	99.0	99.6	99.4
Not signed by clients	-	0.3	0.2
<u>Not USAID-approved</u>			
Signed by clients	1.0	0.1	0.4
Not signed by clients	-	-	-
Total	100.0	100.0	100.0
Weighted N	402	743	1145

Table 8 : 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 client	Received	99.0	96.9	97.7
	Did not receive	-	2.7	1.7
Sub-total		99.0	99.6	99.4
Informed consent form not USAID-approved/ informed consent form USAID-approved but not signed by clients/no consent form	Received	1.0	0.4	0.6
	Did not receive	-	-	-
Sub-total		1.0	0.4	0.6
All	Received	100.0	97.3	98.3
	Did not receive	-	2.7	1.7
Total		100.0	100.0	100.0
Weighted N		402	743	1145

Table 9: 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	93.8	NA	NA
170.00	2.2	0.5	1.7
169.00	0.5	0.3	0.2
165.00	1.0	1.0	-
164.00	0.5	0.2	0.3
160.00	0.5	0.5	-
155.00	0.2	0.2	-
150.00	0.8	0.8	-
140.00	0.5	0.3	0.2
Total	100.0	3.8	2.4
Weighted N	402		

Reported average amount: Tk.174.22

Estimated average amount considering the 'received any facility' category received the approved amount: Tk.174.80

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

Table 10: 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	95.3	NA	NA
170.00	0.3	-	0.3
166.00	0.1	-	0.1
165.00	0.1	-	0.1
160.00	0.6	0.3	0.3
154.00	0.4	0.4	-
150.00	0.7	0.4	0.3
125.00	0.1	0.1	-
120.00	0.3	-	0.3
110.00	0.4	-	0.4
100.00	0.3	0.1	0.2
90.00	0.4	-	0.4
80.00	0.1	-	0.1
75.00	0.1	-	0.1
60.00	0.3	-	0.3
55.00	0.1	-	0.1
30.00	0.1	-	0.1
No payment	0.3	-	0.3
Total	100.0	1.3	3.4
Weighted N	743		

Reported average amount : Tk.172.25

Estimated average amount considering the 'received any facility' category received the approved amount: Tk.172.60

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

Table 11: Percentage distribution of the actually sterilized tubectomy clients by status of promise for unapproved items, person promised, items promised, items received, and reasons for not receiving promised items

Status of promise for unapproved items and person promised to clients	Promised items	Total clients	Number of clients received promised items	Number of clients did not receive promised items		
				All	Reasons for not receiving promised items	
					Items not available	Not contacted for promised items
<u>Promised for unapproved items by recorded helpers</u>						
NGO FP worker	Wheat	0.3	-	0.3	-	0.3
FWA	Ration Card	0.3	-	0.3	-	0.3
Dai/TBA	"	0.4	-	0.4	0.2	0.2
Ward member	"	0.3	-	0.3	-	0.3
NGO FP worker	"	0.3	-	0.3	-	0.3
<u>Other than the recorded helpers</u>						
FPA	Ration Card	0.2	-	0.2	-	0.2
Sub-total		1.8	-	1.8	0.2	1.6
Not promised for unapproved items		98.2	-	-	-	-
Sub-total		98.2	-	-	-	-
Total		100.0	-	1.8	0.2	1.6
Weighted N		402				

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Table 12: Percentage distribution of the actually sterilized vasectomy clients by status of promise for unapproved items, person promised, items promised, items received, and reasons for not receiving promised items

Status of promise for unapproved items and person promised to clients	Promised items	Total clients	Number of clients received promised items	Number of clients did not receive promised items		
				All	Reasons for not receiving promised items	
					Items not available	Not contacted for promised items
Promised for unapproved items by recorded helpers						
BDG registered agent	Wheat and Ration Card	0.4	-	0.4	0.2	0.2
Sub-total		0.4	-	0.4	0.2	0.2
Not promised for unapproved items		99.6	-	-	-	-
Sub-total		99.6	-	-	-	-
Total		100.0	-	0.4	0.2	0.2
Weighted N		743				

Table 13: Percentage distribution of the actually sterilized tubectomy clients by recorded and reported helpers

Recorded helper	Reported helper										
	BDG fieldworker	BAVS salaried fieldworker	Other NGO fieldworker	BDG registered agent	BAVS registered agent	Other NGO registered agent	Registered Dai	General public	Went alone	Does not know	All
BDG fieldworker	53.7	-	-	3.7	0.5	-	2.0	2.5	0.7	0.7	63.8
BAVS salaried fieldworker	-	0.3	-	-	-	-	-	-	-	-	0.3
Other NGO fieldworker	-	-	4.7	2.7	-	-	-	0.3	-	-	7.7
BDG registered agent	0.3	-	-	7.9	-	-	-	6.0	0.3	-	14.5
Other NGO registered agent	-	-	-	-	-	1.3	-	-	-	-	1.3
Registered Dai	-	-	-	-	-	-	12.4	-	-	-	12.4
Total Weighted N = 402	54.0	0.3	4.7	14.3	0.5	1.3	14.4	8.8	1.0	0.7	100.0

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

Recorded helper	Reported helper											
	BDG fieldworker	BAVS salaried fieldworker	Other NGO fieldworker	BDG registered agent	BAVS registered agent	Other NGO registered agent	FP fieldworker (not specified whether BDG or NGO)	Registered Dai	General public	Went alone	Does not know	All
BDG fieldworker	27.5	-	0.1	3.6	-	-	-	-	2.7	4.8	0.9	39.6
Other NGO fieldworker	0.1	-	5.8	-	-	0.1	-	-	0.3	0.3	-	6.6
BDG registered agent	-	-	0.1	18.3	-	1.6	0.1	0.1	21.9	2.6	0.7	45.4
Other NGO registered agent	-	-	-	-	-	0.7	-	-	-	0.3	-	1.0
Registered Dai	0.1	-	-	-	-	-	-	5.9	0.3	0.3	-	6.6
Not stated	-	-	-	-	-	-	-	-	0.8	-	-	0.8
Total	27.7	-	6.0	21.9	-	2.4	0.1	6.0	26.0	8.3	1.6	100.0
Weighted N = 743												

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
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	
15 - 19	1.0	0.5	0.3	-	-	-	-	-	-	1.8
20 - 24	2.5	6.0	3.2	-	-	-	0.2	0.2	-	12.1
25 - 29	0.3	14.4	25.1	5.0	1.5	0.5	0.2	-	-	47.0
30 - 34	-	0.5	7.5	14.2	8.0	1.5	-	-	0.5	32.2
35 - 39	-	-	0.2	2.0	3.0	0.2	0.5	-	-	5.9
40 - 44	-	-	-	-	0.5	-	-	-	0.2	0.7
45 - 49	-	-	-	-	-	-	-	0.3	-	0.3
Total	3.8	21.4	36.3	21.2	13.0	2.2	0.9	0.5	0.7	100.0
Weighted N=402										

Mean age of the tubectomy client : 29.1 years
Mean age of the husband : 39.2 years

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+	NS ¹	
25 - 29	0.9	2.8	0.7	-	-	-	-	-	0.3	4.4
30 - 34	0.1	6.2	10.1	0.4	0.1	-	-	-	-	17.2
35 - 39	-	1.2	18.4	8.4	0.1	-	-	-	-	28.1
40 - 44	-	0.3	3.9	14.3	3.1	-	-	-	-	21.6
45 - 49	-	0.1	0.8	4.2	7.0	0.7	-	-	-	12.8
50 - 54	-	-	-	1.5	3.4	3.8	0.1	-	-	8.8
55 - 59	-	-	0.4	0.5	0.4	2.0	1.1	-	-	4.4
60 - 64	-	-	-	-	0.1	0.4	0.4	0.1	-	1.0
65 - 69	-	-	-	-	-	-	0.3	0.5	-	-0.8
70 - 74	-	-	0.1	-	-	0.4	-	0.4	-	0.9
Total	1.0	10.6	34.4	29.3	14.2	7.3	1.9	1.0	0.3	100.0
Weighted N = 743										

NS means not stated

Mean age of the vasectomy clients: 41.6 years

Mean age of the wife : 31.4 years

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	0.5	1.1	0.9
1	1.7	1.2	1.4
2	23.9	17.5	19.7
3	28.1	30.7	29.8
4	19.7	18.6	18.9
5	15.7	15.9	15.8
6	6.7	7.1	7.0
7	1.9	4.3	3.5
8	1.2	1.7	1.6
9	0.3	0.7	0.5
10	0.3	1.0	0.7
12	-	0.1	0.1
Not stated	-	0.1	0.1
Total	100.0	100.0	100.0
Weighted N	402	743	1145
Mean number of living children	3.6	3.9	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	8.5	8.1	8.2
Employed without cash earning	1.7	0.8	1.1
Not employed	89.8	91.1	90.7
Total	100.0	100.0	100.0
Weighted N	402	743	1145

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

Occupation of husband/client	Categories of clients		
	Tubectomy	Vasectomy	All
Agriculture	33.1	35.0	34.3
Day labour	42.5	53.3	49.5
Business	15.4	8.5	10.9
Service	6.5	1.8	3.4
Not employed	0.7	0.9	0.9
Others	1.8	0.5	1.0
Total	100.0	100.0	100.0
Weighted N	402	743	1145

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

Educational level	Categories of clients		
	Tubectomy	Vasectomy	All
No schooling	81.3	74.0	76.6
No class passed	0.3	0.5	0.4
Class I - <u>IV</u>	7.7	14.7	12.2
Class <u>V</u>	5.0	5.1	5.1
Class <u>VI</u> - <u>IX</u>	4.7	4.3	4.5
SSC and HSC	1.0	1.0	0.9
Degree and above	-	0.4	0.3
Total	100.0	100.0	100.0
Weighted N	402	743	1145

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

Religion	Categories of clients		
	Tubectomy	Vasectomy	All
Muslim	79.4	96.0	90.1
Hindu	20.6	4.0	9.9
Total	100.0	100.0	100.0
Weighted N	402	743	1145

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	42.8	40.2	41.1
Did not own land	57.2	59.8	58.9
Total	100.0	100.0	100.0
Weighted N	402	743	1145

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

Interview status	Categories of service providers/referrers		
	Physicians	Clinic staff	Referrers
Interviewed	83.5	82.9	73.1
Not interviewed	16.5	17.1	26.9
Total	100.0	100.0	100.0
Weighted N	97	117	290

Table 24: Distribution of the clients whose referrers were interviewed by status of receipt of referral fee

Status of receipt of referral fee reported by referrers	Categories of clients whose referrers were interviewed		
	Tubectomy	Vasectomy	All
Received	99.2	100.0	99.7
Did not receive	0.8	-	0.3
Total	100.0	100.0	100.0
Weighted N	129	161	290

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

Upazilas	Weighted sample size			Proportion of actually sterilized cases for the sample ¹		
	Tub.	Vas.	All	Tub.	Vas.	All
Pirgonj	-	40	40	-	0.98	0.98
Pirgacha	22	12	34	0.95	1.00	0.97
Sherpur	-	68	68	-	1.00	1.00
Gobindagonj	12	30	42	1.00	0.97	0.98
Joypurhat Sadar	17	10	27	1.00	1.00	1.00
Atrai	15	19	34	1.00	1.00	1.00
Thakurgaon Sadar	5	50	55	1.00	0.94	0.95
Boda	3	29	32	1.00	1.00	1.00
Birgonj	6	18	24	1.00	0.89	0.92
Lalpur	10	-	10	1.00	-	1.00
Ullapara	8	4	12	1.00	1.00	1.00
Phulbari	14	12	26	1.00	0.92	0.96
Biról	11	3	14	1.00	1.00	1.00
Dinajpur Sadar	5	93	98	1.00	0.98	0.98
Natore Sadar	29	3	32	1.00	1.00	1.00
Kishoregonj	3	33	36	1.00	0.88	0.89
Taragonj	-	76	76	-	0.92	0.92
Nilphamari Sadar	6	26	32	1.00	0.73	0.78
Naogaon Sadar	26	39	65	1.00	1.00	1.00
Nondigram	-	25	25	-	0.88	0.88
Dumuria	4	5	9	1.00	1.00	1.00
Mollahat	5	15	20	1.00	1.00	1.00
Rampal	21	28	49	1.00	1.00	1.00
Golachipa	32	35	67	1.00	0.86	0.93
Patuakhali Sadar	34	21	55	1.00	1.00	1.00
Shibaloya	29	3	32	1.00	1.00	1.00
Harirampur	20	-	20	1.00	1.00	1.00
Phulpur	4	43	47	1.00	0.07	0.15

Table 25 contd.

Upazilas	Weighted sample size			Proportion of actually sterilized cases for the sample ¹		
	Tub.	Vas.	All	Tub.	Vas.	All
Morrelgonj	4	35	39	1.00	1.00	1.00
Bakergonj	25	87	112	0.76	0.97	0.92
Bauphal	29	4	33	1.00	1.00	1.00
Mirzagonj	3	36	39	1.00	1.00	1.00
Bhaluka	28	38	66	1.00	0.87	0.92
Iswargonj	-	44	44	-	0.93	0.93
Chandina	18	6	24	1.00	1.00	1.00
Comilla Sadar	27	-	27	1.00	1.00	1.00
Boalmari	11	36	47	0.73	0.97	0.91
Singair	8	-	8	1.00	-	1.00
Total	494	1026	1520	0.980	0.915	0.936

¹ After field survey of clients, the clients excluding those falling under the category, 'address not found', never sterilized clients', 'operations not done in the quarter', 'operations not done in recorded clinic', and double operations', have been considered as actually sterilized.