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EVALUATION OF THE VOLUNTARY  
STERILIZATION PROGRAM

TABLES ON BANGLADESH ASSOCIATION FOR  
VOLUNTARY STERILIZATION (BAVS) CLINICS  
FOR  
OCTOBER - DECEMBER 1986 QUARTER

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## INTRODUCTION

In accordance with the agreement between the Government of Bangladesh (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 audits of the voluntary sterilization of BDG clinics. The contract expired in December, 1984. However, another agreement signed between USAID and M.A Quasem and Co. provided scope for conducting eight quarterly evaluation of the VS program covering both BDG and Non-Government Organisation (NGO) 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 for the October-December 1986 quarter of the VS program of both BDG and NGO done through a national 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 carried out in 50 selected upazilas of the country of which 12 upazilas were selected for evaluation of NGO clinics and the rest 38 upazilas were selected for BDG clinics only. Of the 12 upazilas where NGO clinics were selected for evaluation, BAVS (Bangladesh Association for Voluntary Sterilization) clinics operated in 11 upazilas. The selected BAVS clinics are Bogra Sadar, Joypurhat Sadar, Comilla Sadar, Rangpur Sadar, Rajshahi Sadar, Jessore Sadar, Natore Sadar, Serajgonj Sadar, Chittagong Sadar, Tangail Sadar and Mymensingh Sadar.

From those selected upazilas, 264 BAVS 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 October-December 1986 quarter and hence are not repeated here.

According to the contract, this report, containing selected tables, has been prepared separately on the findings of BAVS 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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A N N E X U R E

Tables based only on the BAVS clinics

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>77.4</u>	<u>72.2</u>	<u>74.6</u>
Sterilized within the reference quarter in the recorded clinic	75.8	71.5	73.5
Sterilized in the recorded clinic but before the reference quarter	0.8	0.7	0.7
Never sterilized	0.8	-	0.4
B. NOT INTERVIEWED	<u>18.4</u>	<u>22.9</u>	<u>20.9</u>
Clients not available	12.5	13.2	12.9
Client has permanently left the recorded address	-	0.7	0.4
Client was only temporarily visiting the recorded address	5.9	9.0	7.6
C. ADDRESS NOT LOCATED	<u>4.2</u>	<u>4.9</u>	<u>4.5</u>
Address does not exist/not found	4.2	4.9	4.5
Total	100.0	100.0	100.0
N	120	144	264

Estimated false\* cases for tubectomy: 5.8 percent

Estimated false\* cases for vasectomy: 5.6 percent

\*False cases means those clients who fall under the category,  
'sterilized in the recorded clinic but before the reference  
quarter', '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 forms	Categories of clients		
	Tubectomy	Vasectomy	All
<u>USAID-approved</u>			
Signed by clients	100.0	100.0	100.0
Not signed by clients	-	-	-
<u>Not USAID-approved</u>			
Signed by clients	-	-	-
Not signed by clients	-	-	-
<u>No informed consent form</u>	-	-	-
<u>Total</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
<u>N</u>	<u>120</u>	<u>144</u>	<u>264</u>

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	100.0	100.0	100.0
Not signed by clients	-	-	-
<u>Not USAID-approved</u>			
Signed by clients	-	-	-
Not signed by clients	-	-	-
<u>No informed consent form</u>	-	-	-
<u>Total</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
<u>N</u>	<u>91</u>	<u>103</u>	<u>194</u>

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 forms	Status of receipt of surgical apparel	Categories of clients		
		Tubectomy	Vasectomy	All
USAID-approved informed consent forms signed by clients	Received	100.0	98.0	99.0
	Did not receive	-	2.0	1.0
Sub-total		100.0	100.0	100.0
Informed consent form not USAID-approved/informed consent form USAID-approved but not signed by clients/ no consent form	Received	-	-	-
	Did not receive	-	-	-
Sub-total		-	-	-
All	Received	100.0	98.0	99.0
	Did not receive	-	2.0	1.0
Total		100.0	100.0	100.0
N		91	103	194

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	82.4	NA	NA
170.00	3.3	3.3	-
165.00	1.1	1.1	-
162.00	3.3	3.3	-
160.00	6.6	5.5	1.1
155.00	1.1	-	1.1
150.00	2.2	2.2	-
Total N = 91	100.0	15.4	2.2

Reported average amount: Tk.172.54

Estimated average amount considering the 'received any facility' category received the approved amount: Tk.174.62

Note: NA in this 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	93.0	NA	NA
170.00	1.0	1.0	-
165.00	1.0	-	1.0
160.00	1.0	-	1.0
155.00	1.0	-	1.0
120.00	1.0	-	1.0
110.00	1.0	-	1.0
25.00	1.0	-	1.0
Total N = 103	100.0	1.0	6.0

Reported average amount : Tk.171.83

Estimated average amount considering the 'received any facility' category received the approved amount: Tk. 171.88

Note: NA in this 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
N	91	103	194

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	98.1	99.0
Did not know	-	1.9	1.0
Total	100.0	100.0	100.0
N	91	103 <sup>a</sup>	194

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Includes two vasectomy clients who reported that they were tempted by their helpers but found to have been sterilized in the recorded clinic within the reference quarter. The subsequent tables have been prepared by excluding these cases.

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

P e r i o d	Categories of clients		
	Tubectomy	Vasectomy	All
1 day to 7 days	2.2	18.8	11.0
8 days to 15 days	4.4	11.9	8.3
16 days to 29 days	-	1.0	0.5
1 month to 2 months	20.9	20.8	20.8
More than 2 months to 4 months	9.9	9.9	9.9
More than 4 months to 6 months	7.7	12.9	10.4
More than 6 months to 12 months	24.2	9.9	16.7
More than 1 year	30.7	14.8	22.4
Total	100.0	100.0	100.0
N	91	101	192

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	78.0	58.4	67.7
Did not talk	22.0	41.6	32.3
Total	100.0	100.0	100.0
N	91	101	192

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 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	3.3	3.3	6.6	11.9	19.8	31.7
1 month to 6 months	33.0	5.5	38.5	27.7	15.8	43.5
More than 6 months to 12 months	19.8	4.4	24.2	6.9	3.0	9.9
More than 1 year	21.9	8.8	30.7	11.9	3.0	14.9
Total	78.0	22.0	100.0	58.4	41.6	100.0
N			91			101

Table 12: Percentage distribution of the actually sterilized clients by categories whether they had suggested anyone for sterilization after accepting sterilization method or whether they would suggest to anyone in the future

Suggestion by clients	Categories of clients		
	Tubectomy	Vasectomy	All
Gave suggestion	62.6	47.5	54.7
Would suggest in future	28.6	48.5	39.1
Would not suggest in future	8.8	4.0	6.2
Total	100.0	100.0	100.0
N	91	101	192

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	BAVS registered agent	BDG registered agent	Registered Dai	Other NGO registered agent	Went alone	Total
BDG fieldworker	5.5	-	-	1.1	-	-	-	-	6.6
BAVS salaried fieldworker	-	27.5	-	4.4	1.1	1.1	-	-	34.1
Other NGO fieldworker	1.1	-	34.1	2.2	-	-	-	-	37.4
BAVS registered agent	-	-	-	14.3	-	1.1	-	1.0	16.4
Other NGO registered agent	-	-	-	-	-	-	1.1	-	1.1
Registered Dai	-	-	-	-	-	4.4	-	-	4.4
Total N = 91	6.6	27.5	34.1	22.0	1.1	6.6	1.1	1.0	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	BAVS registered agent	BDG registered agent	Went alone	Does not know	All
BDG fieldworker	3.0	-	-	-	-	-	-	3.0
BAVS salaried fieldworker	1.0	54.5	-	9.9	4.0	5.9	4.0	79.3
Other NGO fieldworker	-	2.0	2.0	-	-	-	0.9	4.9
BAVS registered agent	-	-	1.0	8.9	-	2.0	0.9	12.8
Total N = 101	4.0	56.5	3.0	18.8	4.0	7.9	5.8	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
	30-34	35-39	40-44	45-49	50-54	
20 - 24	9.9	5.5	1.1	2.2	-	18.7
25 - 29	17.6	17.6	3.3	1.1	3.3	42.9
30 - 34	2.2	5.5	9.9	3.3	1.1	22.0
35 - 39	-	-	4.4	8.8	1.1	14.3
40 - 44	-	-	-	-	1.1	1.1
45 - 49	-	-	-	-	1.0	1.0
<b>Total</b>	<b>29.7</b>	<b>28.6</b>	<b>18.7</b>	<b>15.4</b>	<b>7.6</b>	<b>100.0</b>
N = 91						

Mean age of tubectomy client: 29.5 years  
 Mean age of the husband : 39.6 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+	
20 - 24	1.0	-	-	-	-	-	-	-	1.0
25 - 29	2.0	8.9	1.0	-	-	-	-	-	11.9
30 - 34	-	7.9	11.9	-	-	-	-	-	19.8
35 - 39	-	-	13.9	2.9	-	-	-	-	16.8
40 - 44	-	-	1.0	10.9	0.9	-	-	-	12.8
45 - 49	-	-	2.9	5.0	2.0	-	-	-	9.9
50 - 54	-	-	-	2.0	5.9	3.0	-	-	10.9
55 - 59	-	-	-	-	4.0	4.0	3.0	-	11.0
65 - 69	-	-	-	-	3.0	-	1.0	-	4.0
70 - 74	-	-	-	-	-	0.9	-	-	0.9
75 - 79	-	-	-	-	-	-	-	1.0	1.0
Total N = 101	3.0	16.8	30.7	20.8	15.8	7.9	4.0	1.0	100.0

Mean age of vasectomy client : 41.6 years  
Mean age of the wife : 31.2 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
1	4.4	5.0	4.7
2	23.1	16.8	19.8
3	26.4	27.7	27.1
4	20.9	19.8	20.3
5	11.0	10.9	10.9
6	2.2	4.9	3.6
7	6.6	5.9	6.3
8	-	5.0	2.6
9	2.2	3.0	2.6
10	2.2	1.0	1.6
Not stated	1.0	-	0.5
Total	100.0	100.0	100.0
N	91	101	192
Mean number of living children	3.7	4.0	3.9

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	7.7	16.8	12.5
Employed without cash earning	1.1	1.0	1.0
Not employed	91.2	82.2	86.5
Total	100.0	100.0	100.0
N	91	101	192

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	13.2	18.8	16.2
Day labour	44.0	70.3	57.8
Business	27.5	8.9	17.7
Service	14.3	2.0	7.8
Unemployed	1.0	-	0.5
Total	100.0	100.0	100.0
N	91	101	192

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

Educational level	Categories of clients		
	Tubectomy	Vasectomy	All
No schooling	80.2	80.2	80.2
Class <u>I</u> - <u>IV</u>	5.5	7.9	6.8
Class <u>V</u>	4.4	3.0	3.6
Class <u>VI</u> - <u>IX</u>	7.7	6.9	7.3
SSC and HSC	2.2	2.0	2.1
Total	100.0	100.0	100.0
N	91	101	192

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

Religion	Categories of clients		
	Tubectomy	Vasectomy	All
Muslim	90.1	93.1	91.7
Hindu	9.9	6.9	8.3
Total	100.0	100.0	100.0
N	91	101	192

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	35.2	24.8	29.7
Did not own land	64.8	75.2	70.3
Total	100.0	100.0	100.0
N	91	101	192

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	57.9	63.0	64.8
Not interviewed	42.1	37.0	35.2
Total	100.0	100.0	100.0
N	19	27	54

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

Status of receipt of helper fee reported by helpers	Number of clients whose helpers were interviewed		
	Tubectomy	Vasectomy	All
Received	100.0	100.0	100.0
Did not receive	-	-	-
Total	100.0	100.0	100.0
N	20	29	49

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

District/upazila	Selected sample size			Proportion of actually sterilized cases		
	Vas.	Tub.	All	Vas.	Tub.	All
<u>Rangpur</u> Sadar	17	-	17	1.00	-	1.00
<u>Bogra</u> Sadar	16	1	17	0.94	1.00	0.94
<u>Joypurhat</u> Sadar	22	16	38	0.86	0.88	0.87
<u>Rajshahi</u> Sadar	2	4	6	1.00	1.00	1.00
<u>Natore</u> Sadar	37	3	40	0.97	1.00	0.98
<u>Serajgonj</u> Sadar	8	32	40	0.75	0.97	0.93
<u>Jessore</u> Sadar	11	3	14	1.00	1.00	1.00
<u>Tangail</u> Sadar	16	21	37	0.94	1.00	0.97
<u>Mymensingh</u> Sadar	13	8	21	1.00	0.75	0.90
<u>Comilla</u> Sadar	2	15	17	1.00	0.87	0.88
<u>Chittagong</u> Sadar	-	17	17	-	1.00	1.00
<b>Total</b>	144	120	264	0.94	0.94	0.94