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EVALUATION OF THE VOLUNTARY STERILIZATION PROGRAM

TABLES ON BANGLADESH ASSOCIATION FOR VOLUNTARY STERILIZATION (BAVS) CLINICS FOR JANUARY - MARCH 1987 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 ten 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 nineth of its kind, is the evaluation for the January-March 1987 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 nineth quarterly evaluation was carried out in April and May, 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 12 upazilas. The selected BAVS clinics are Bogra Sadar, Joypurhat Sadar, Dinajpur Sadar, Rangpur Sadar, Khulna Sadar, Faridpur Sadar, Narshingdi Sadar, Serajgonj Sadar, Kishoregonj Sadar, Chandpur Sadar, Tongi Upazila of Gazipur district, and Sudharam Upazila of Noakhali district.

From those selected upazilas, 326 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 January-March 1987 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 nineth quarter of the evaluation of the VS program and are shown in the annexure.

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	78.7	72.9	77.0
Sterilized within the reference quarter in the recorded clinic	78.7	70.8	76.4
Sterilized in the recorded clinic but before the reference quarter	-	1.0	0.3
Sterilized twice	-	1.1	0.3
B. NOT INTERVIEWED	19.6	20.8	19.9
Clients not available	9.6	14.6	11.0
Client has permanently left the recorded address	1.3	1.0	1.2
Client was only temporarily visiting the recorded address	8.7	4.2	7.4
Client died within the reference quarter	-	1.0	0.3
C. ADDRESS NOT LOCATED	1.7	6.3	3.1
Address does not exist/ not found	1.7	6.3	3.1
Total	100.0	100.0	100.0
N	230	96	326

Estimated false* cases for tubectomy: 1.7 percent
Estimated false* cases for vasectomy: 8.4 percent

*False cases means those clients who fall under the category, 'sterilized in the recorded clinic but before the reference quarter', 'sterilized twice', 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
USAID-approved			
Signed by clients	100.0	100.0	100.0
Not signed by clients	-	-	-
Not USAID-approved			
Signed by clients	-	-	-
Not signed by clients	-	-	-
No informed consent form	-	-	-
Total	100.0	100.0	100.0
N	230	96	326

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
USAID-approved			
Signed by clients	100.0	100.0	100.0
Not signed by clients	-	-	-
Not USAID-approved			
Signed by clients	-	-	-
Not signed by clients	-	-	-
No informed consent form	-	-	-
Total	100.0	100.0	100.0
N	181	68	249

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	99.4	98.5	99.2
	Did not receive	0.6	1.5	0.8
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	99.4	98.5	99.2
	Did not receive	0.6	1.5	0.8
Total		100.0	100.0	100.0
N		181	68	249

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	76.8	NA	NA
165.00	0.6	0.6	-
162.00	1.1	1.1	-
161.00	0.6	0.6	-
160.00	0.6	0.6	-
155.00	5.0	5.0	-
150.00	2.2	1.7	0.5
145.00	0.6	0.6	-
135.00	0.5	0.5	-
130.00	0.5	0.5	-
128.00	1.1	1.1	-
127.00	9.4	8.8	0.6
126.00	0.5	0.5	-
125.00	0.5	0.5	-
Total	100.0	22.1	1.1
N	181		

Reported average amount: Tk.166.88

Estimated average amount considering the 'received any facility' category received the approved amount: Tk.174.60

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	98.5	NA	NA
115.00	1.5	-	1.5
Total	100.0	-	1.5
N = 68			

Reported average amount: Tk.174.12

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
N	181	68	249

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	100.0	100.0
Did not knew	-	-	-
Total	100.0	100.0	100.0
N	181	68	249

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	2.2	10.3	4.4
8 days to 15 days	2.8	5.9	3.6
16 days to 29 days	1.6	4.4	2.4
1 month to 2 months	17.7	14.7	16.9
More than 2 months to 4 months	6.6	10.3	7.6
More than 4 months to 6 months	12.7	10.3	12.1
More than 6 months to 12 months	32.6	17.6	28.5
More than 1 year	23.8	26.5	24.5
Total	100.0	100.0	100.0
N	181	68	249

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	89.0	55.9	79.9
Did not talk	11.0	44.1	20.1
Total	100.0	100.0	100.0
N	181	68	249

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	4.4	2.2	6.6	7.4	13.2	20.6
1 month to 6 months	33.2	3.9	37.1	25.0	10.3	35.3
More than 6 months to 12 months	29.3	3.3	32.6	11.8	5.9	17.7
More than 1 year	22.1	1.6	23.7	11.7	14.7	26.4
Total	89.0	11.0	100.0	55.9	44.1	100.0
N			181			68

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 to clients	Categories of clients		
	Tubectomy	Vasectomy	All
Gave suggestion	70.4	45.6	70.3
Would suggest in future	26.4	52.9	29.3
Would not suggest in future	-	1.5	0.4
Total	100.0	100.0	100.0
N	181	68	249

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

Recorded helper \ Reported helper	BDG field-worker	BAVS salaried field-worker	Other NGO field-worker	BAVS regis-tered agent	BDG regis-tered agent	Regis-tered Dai	Other NGO regis-tered agent	Does not know	Went alone	Total
BDG fieldworker	8.3	-	-	-	-	-	-	-	-	8.3
BAVS salaried fieldworker	-	49.7	0.6	-	7.2	-	-	-	1.1	58.6
Other NGO fieldworker	-	-	9.4	0.6	-	2.2	-	-	0.5	12.7
BAVS registered agent	-	-	-	12.7	-	0.5	-	0.6	-	13.8
Other NGO regis-tered agent	-	-	-	-	-	-	5.5	-	-	5.5
Registered Dai	-	-	-	1.1	-	-	-	-	-	1.1
Total N = 181	8.3	49.7	10.0	14.4	7.2	2.7	5.5	0.6	1.6	100.0

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

Recorded helper \ Reported helper	BAVS salaried field-worker	Other NGO field-worker	BAVS regis-tered agent	Regis-tered Dai	Went alone	Does not know	Total
BDG fieldworker	-	-	1.5	-	1.5	-	3.0
BAVS salaried fieldworker	55.9	1.5	2.9	-	13.2	7.3	80.8
Other NGO fieldworker	1.5	2.9	-	-	1.5	-	5.9
BAVS registered agent	-	-	8.8	-	-	-	8.8
Registered Dai	-	-	-	1.5	-	-	1.5
Total N = 68	57.4	4.4	13.2	1.5	16.2	7.3	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)							
	30-34	35-39	40-44	45-49	50-54	55-59	60-64	Total
20 - 24	4.4	1.1	-	-	-	-	0.6	6.1
25 - 29	13.8	21.0	1.7	1.7	1.7	0.6	-	40.5
30 - 34	-	13.3	16.6	7.7	1.1	0.5	0.5	39.7
35 - 39	-	-	2.7	3.9	5.0	1.1	0.5	13.2
40 - 44	-	-	-	0.5	-	-	-	0.5
Total N = 181	18.2	35.4	21.0	13.8	7.8	2.2	1.6	100.0

Mean age of tubectomy client : 30.6 years
Mean age of the husband : 41.0 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)							
	20-24	25-29	30-34	35-39	40-44	45-49	50+	Total
25 - 29	4.4	7.4	-	-	-	-	-	11.8
30 - 34	5.9	2.9	1.5	-	-	-	-	10.3
35 - 39	1.5	11.8	11.8	1.5	-	-	-	26.6
40 - 44	-	2.9	7.4	5.9	-	-	-	16.2
45 - 49	-	-	1.4	2.9	-	-	-	4.3
50 - 54	-	-	-	4.4	8.8	-	-	13.2
55 - 59	-	1.5	-	5.9	1.5	-	-	8.9
60 - 64	1.4	-	1.4	-	1.5	1.5	-	5.8
65 - 69	-	-	-	-	-	1.4	1.5	2.9
Total N = 68	13.2	26.5	23.5	20.6	11.8	2.9	1.5	100.0

Mean age of vasectomy client : 43.3 years
Mean age of the wife : 32.8 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	0.6	-	0.4
1	1.7	3.0	2.0
2	12.2	19.1	14.1
3	27.6	22.1	26.1
4	28.7	14.7	24.9
5	14.9	19.1	16.1
6	7.7	13.2	9.2
7	3.3	2.9	3.2
8	1.1	4.4	2.0
9	1.7	1.5	1.6
10	0.5	-	0.4
Total	100.0	100.0	100.0
N	181	68	249
Mean number of living children	4.0	4.3	4.0

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	6.1	17.6	9.2
Employed without cash earning	3.3	-	2.4
Not employed	90.1	82.4	88.0
Not stated	0.5	-	0.4
Total	100.0	100.0	100.0
N	181	68	249

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	16.6	23.5	18.5
Day labour	45.9	48.5	46.6
Business	19.3	17.7	18.9
Service	17.1	8.8	14.8
Unemployed	0.6	1.5	0.8
Not stated	0.5	-	0.4
Total	100.0	100.0	100.0
N	181	68	249

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

Educational level	Categories of clients		
	Tubectomy	Vasectomy	All
No schooling	75.1	67.6	73.1
Class I - IV	10.0	13.2	10.9
Class V	6.0	7.4	6.4
Class VI - IX	6.6	4.4	6.0
SSC and HSC	1.7	4.4	2.4
Degree and above	0.6	3.0	1.2
Total	100.0	100.0	100.0
N	181	68	249

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

Religion	Categories of clients		
	Tubectomy	Vasectomy	All
Muslim	89.0	89.7	89.2
Hindu	10.5	10.3	10.4
Christian	0.5	-	0.4
Total	100.0	100.0	100.0
N	181	68	249

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	32.6	39.7	34.5
Did not own land	67.4	60.3	65.5
Total	100.0	100.0	100.0
N	181	68	249

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	75.0	96.7	60.3
Not interviewed	25.0	3.3	39.7
Total	100.0	100.0	100.0
N	16	30	63

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	40	13	53

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

District/upazila	Selected sample size			Proportion of actually sterilized cases		
	Tub.	Vas.	All	Tub.	Vas.	All
Dinajpur						
Sadar	2	5	7	1.00	1.00	1.00
Rangpur						
Sadar	1	-	1	1.00	-	1.00
Bogra						
Sadar	19	11	30	1.00	0.91	0.97
Joypurhat						
Sadar	25	15	40	1.00	1.00	1.00
Serajgonj						
Sadar	24	16	40	1.00	1.00	1.00
Khulna						
Sadar	4	11	15	1.00	1.00	1.00
Faridpur						
Sadar	-	11	11	-	0.55	0.55
Gazipur						
Tongi	35	5	40	0.91	1.00	0.93
Narsingdi						
Sadar	32	8	40	0.97	0.75	0.93
Kishoreganj						
Sadar	37	3	40	1.00	1.00	1.00
Chandpur						
Sadar	35	5	40	1.00	1.00	1.00
Noakhali						
Sudharam	16	6	22	1.00	1.00	1.00
Total	230	96	326	0.98	0.92	0.96