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EVALUATION OF THE VOLUNTARY STERILIZATION PROGRAM

TABLES ON BANGLADESH GOVERNMENT (BDG) CLINICS FOR JANUARY - MARCH 1987 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 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 ten quarterly evaluation of the VS program covering both BDG and NGO[1] 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 of 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 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 these clients from both the clinic records and from the clients directly through personal interview.

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[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 January-March 1987 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 nineth quarter of the evaluation of the VS program and are shown in the annexure.

A N N E X U R E

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	80.0	64.2	74.3
Sterilized within the reference quarter in the recorded clinic	79.3	61.6	73.0
Sterilized in the recorded clinic but before the reference quarter	0.7	0.6	0.6
Sterilized before the reference quarter in other than the recorded clinic	-	0.7	0.3
Sterilized twice (1st operation before the quarter in other than the recorded clinic and 2nd operation within the quarter in the recorded clinic)	-	0.4	0.1
Never sterilized	-	0.9	0.3
B. NOT INTERVIEWED	17.8	28.4	21.6
Clients not available	10.0	21.6	14.1
Client has permanently left the recorded address	0.5	2.1	1.1
Client was only temporarily visiting the recorded address	7.3	4.5	6.3
Client died within the reference quarter	-	0.2	0.1
C. ADDRESS NOT LOCATED	2.2	7.4	4.1
Address does not exist/ not found	1.7	6.7	3.5
Not attempted	0.3	0.7	0.5
Incomplete address	0.2	-	0.1
Total	100.0	100.0	100.0
Weighted N	964	536	1520

Estimated false* cases for tubectomy : 2.4 percent
Estimated false* cases for vasectomy : 9.3 percent

*False cases means those clients who fall under the category, 'sterilized in the recorded clinic but before the reference quarter', '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	
USAID-approved			
Signed by clients	99.6	99.6	99.6
Not signed by clients	0.3	0.4	0.3
Not USAID-approved			
Signed by clients	0.1	-	0.1
Not signed by clients	-	-	-
Total	100.0	100.0	100.0
Weighted N	984	536	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
USAID-approved			
Signed by clients	99.5	99.7	99.5
Not signed by clients	0.4	0.3	0.4
Not USAID-approved			
Signed by clients	0.1	-	0.1
Not signed by clients	-	-	-
Total	100.0	100.0	100.0
Weighted N	780	330	1110

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	99.2	95.8	98.6
	Did not receive	0.4	3.9	1.4
Sub-total		99.6	97.7	99.[illegible]
Informed consent form not USAID-approved/ informed consent form USAID-approved but not signed by clients/ no consent form	Received	0.4	0.3	0.4
	Did not receive	-	-	-
Sub-total		0.4	0.3	0.4
All	Received	99.6	96.1	98.[illegible]
	Did not receive	0.4	3.9	1.4
Total		100.0	100.0	100.0
Weighted N		780	330	1110

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	92.7	NA	NA
170.00	1.5	0.6	0.9
165.00	2.6	1.0	1.6
164.00	0.1	0.1	-
160.00	1.1	0.6	0.5
155.00	1.1	0.3	0.8
154.00	0.1	0.1	-
135.00	0.1	-	0.1
130.00	0.1	-	0.1
100.00	0.1	0.1	-
50.00	0.1	0.1	-
40.00	0.1	0.1	-
No payment	0.3	0.3	-
Total	100.0	3.3	4.0
Weighted N	780		

Reported average amount: Tk.173.28

Estimated average amount considering the 'received any facility' category received the approved amount: Tk.174.46

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	92.4	NA	NA
171.00	0.9	-	0.9
170.00	1.2	0.3	0.9
150.00	0.3	-	0.3
140.00	0.3	-	0.3
130.00	0.6	0.6	-
100.00	3.4	0.3	3.1
75.00	0.6	-	0.6
70.00	0.3	-	0.3
Total	100.0	1.2	6.4
Weighted N	330		

Reported average amount: Tk.171.02

Estiamted average amount considering the 'received any facility' category received the approved amount: Tk.171.54

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	780	330	1110

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 know	-	-	-
Total	100.0	100.0	100.0
Weighted N	778[a]	330	1108

[a]Two not stated cases were not included in this table and in the subsequent tables of 9,10,11 and 12.

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	5.0	4.9	5.0
8 days to 15 days	4.4	7.0	5.1
16 days to 29 days	0.5	0.6	0.5
1 month to 2 months	10.4	14.8	11.7
More than 2 months to 4 months	7.8	13.6	9.6
More than 4 months to 6 months	12.1	18.2	13.9
More than 6 months to 12 months	31.1	21.2	28.2
More than 1 year	28.7	19.7	26.0
Total	100.0	100.0	100.0
Weighted N	778	330	1108

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	83.9	69.4	79.6
Did not talk	16.1	30.6	20.4
Total	100.0	100.0	100.0
Weighted N	778	330	1108

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	5.9	4.0	9.9	6.7	6.1	12.8
1 month to 6 months	24.9	5.4	30.3	32.7	13.9	46.6
More than 6 months to 12 months	28.1	3.0	31.1	15.2	6.1	21.3
More than 1 year	25.0	3.7	28.7	14.8	4.5	19.3
Total	83.9	16.1	100.0	69.4	30.6	100.0
Weighted N			778			330

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	65.2	66.7	65.6
Would suggest in future	34.1	28.2	32.3
Would not suggest in future	0.7	5.1	2.1
Total	100.0	100.0	100.0
Weighted N	778	330	1108

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

Recorded helper \ Reported helper	BDG field-worker	Other NGO fieldworker	BDG regis-tered agent	Other NGO registered agent	Registered Dai	Does not know	Went alone	All
BDG fieldworker	53.0	0.5	14.0	-	5.3	0.4	0.4	73.6
Other NGO field-worker	0.4	6.8	3.3	-	-	0.1	0.3	10.9
BDG registered agent	-	-	8.7	-	0.1	-	-	8.8
Other NGO registered agent	-	-	-	0.1	-	-	-	0.1
Registered Dai	-	-	-	-	6.5	0.1	-	6.6
Total	53.4	7.3	26.0	0.1	11.9	0.6	0.7	100.0
Weighted N = 780								

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

Recorded helper \ Reported helper	BDG field-worker	B A V S salaried fieldworker	Other NGO field-worker	BDG regis-tered agent	Regis-tered Dai	Went alone	Does not know	All
BDG fieldworker	29.4	1.5	0.3	9.4	0.3	2.7	6.7	50.9
BAVS salaried fieldworker	-	0.6	-	-	-	-	-	0.6
Other NGO fieldworker	-	0.3	7.6	0.6	-	0.3	0.6	9.4
BDG registered agent	0.3	-	-	33.6	-	0.9	3.1	37.9
Registered Dai	-	-	-	-	1.2	-	-	1.2
Total Weighted N = 330	29.7	2.4	7.9	43.6	2.1	3.9	10.4	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)											
	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	Total
15 - 19	0.3	0.4	0.3	0.1	-	-	0.3	-	-	-	-	1.4
20 - 24	-	3.5	5.6	3.2	1.0	0.3	0.5	0.3	-	-	-	17.4
25 - 29	-	0.4	12.8	18.8	4.1	1.7	0.3	0.4	0.3	-	0.3	39.1
30 - 34	-	-	0.1	13.2	10.9	4.0	1.0	0.5	0.4	-	-	30.1
35 - 39	-	-	-	0.3	3.3	4.2	2.3	0.3	0.1	0.1	-	10.6
40 - 44	-	-	-	-	-	0.1	0.3	0.6	-	-	-	1.0
45 - 49	-	-	-	-	-	-	0.3	0.1	-	-	-	0.4
Total	0.3	4.3	21.8	35.6	19.3	10.3	5.0	2.2	0.8	0.1	0.3	100.0
Weighted N = 7[illegible]0												

Mean age (in years): Clients : 29.3
Husband : 39.4

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)								
	15-19	20-24	25-29	30-35	35-39	40-44	45-49	50+	Total
25 - 29	0.6	6.1	0.9	-	-	-	-	-	7.6
30 - 34	0.3	6.4	7.6	-	-	-	-	-	14.3
35 - 39	-	2.4	14.5	4.2	0.6	-	-	-	21.7
40 - 44	0.6	0.6	6.7	10.9	3.3	-	-	-	22.1
45 - 49	-	0.3	0.6	7.3	6.7	1.2	-	-	16.1
50 - 54	-	-	-	2.1	3.4	2.7	-	-	8.2
55 - 59	-	0.6	-	1.5	1.8	1.2	0.9	-	6.0
60 - 64	-	-	-	0.3	-	0.3	0.3	-	0.9
65 - 69	-	-	-	0.3	-	0.6	0.9	-	1.8
70 - 74	-	-	-	-	-	-	0.4	0.9	1.3
Total	1.5	16.4	30.3	26.6	15.8	6.0	2.5	0.9	100.0
Weighted N = 330									

Mean age (in years) : Client : 42.4
Wife : 31.1

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	-	0.4
1	2.8	0.9	2.2
2	23.2	19.1	22.0
3	30.1	27.9	29.5
4	19.8	24.9	21.3
5	12.6	13.0	12.7
6	5.9	7.3	6.3
7	2.8	4.2	3.2
8	1.8	2.1	1.9
9	0.4	0.6	0.4
10+	0.1	-	0.1
Total	100.0	100.0	100.0
Weighted N	780	330	1110
Mean number of living children	3.6	3.8	3.6

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	11.8	24.3	15.5
Employed without cash earning	2.9	1.8	2.6
Not employed	84.9	73.9	81.6
Not stated	0.4	-	0.3
Total	100.0	100.0	100.0
Weighted N	780	330	1110

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	25.4	19.1	23.5
Day labour	49.4	60.3	52.6
Business	18.6	14.9	17.5
Service	5.2	2.7	4.5
Not employed	0.8	0.6	0.7
Others	0.6	2.4	1.2
Total	100.0	100.0	100.0
Weighted N	780	330	1110

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

Educational level	Categories of clients		
	Tubectomy	Vasectomy	All
No schooling	84.6	66.7	79.3
No class passed	0.8	0.3	0.6
Class I - IV	6.5	11.8	11.1
Class V	4.5	3.4	3.9
Class VI - IX	3.1	7.0	4.2
SSC and HSC	0.5	1.8	0.9
Total	100.0	100.0	100.0
Weighted N	780	330	1110

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

Religion	Categories of clients		
	Tubectomy	Vasectomy	All
Muslim	81.8	86.1	83.1
Hindu	17.7	13.9	16.6
Christian	0.3	-	0.2
Others	0.2	-	0.1
Total	100.0	100.0	100.0
Weighted N	780	330	1110

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	40.8	30.0	37.6
Did not own land	59.1	69.4	62.2
Not stated	0.1	0.6	0.2
Total	100.0	100.0	100.0
Weighted N	780	330	1110

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	77.8	76.0	75.8
Not interviewed	22.2	24.0	24.2
Total	100.0	100.0	100.0
Weighted N	90	104	306

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	99.6	100.0	99.7
Did not receive	0.4	-	0.3
Total	100.0	100.0	100.0
Weighted N	230	70	300

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

District/upazila	Selected sample size			Proportion of actually sterilized cases for the sample		
	Tub.	Vas.	All	Tub.	Vas.	All
Dinajpur						
Parbotipur	5	35	40	1.00	1.00	1.00
Thakurgaon						
Sadar	30	10	40	1.00	0.70	0.93
Pirgonj	3	37	40	1.00	0.92	0.93
Horipur	19	21	40	1.00	1.00	1.00
Nilphamari						
Domar	40	-	40	1.00	-	1.00
Rangpur						
Kawnia	14	26	40	1.00	1.00	1.00
Mithapukur	35	5	40	1.00	1.00	1.00
Kurigram						
Ulipur	38	2	40	0.97	1.00	0.98
Naogaon						
Sadar	34	6	40	0.97	0.83	0.95
Manda	38	2	40	1.00	1.00	1.00
Rajshahi						
Mohonpur	32	8	40	0.69	0.75	0.70
Serajgonj						
Kazipur	28	12	40	0.93	0.92	0.93
Kushtia						
Sadar	40	-	40	1.00	-	1.00
Meherpur						
Sadar	34	6	40	1.00	1.00	1.00
Magura						
Sadar	15	25	40	1.00	0.56	0.73
Jessore						
Sadar	13	27	40	1.00	1.00	1.00
Bagerhat						
Sadar	12	28	40	1.00	0.96	0.98
Rampal	4	36	40	1.00	0.97	0.98
Kachua	4	36	40	1.00	0.67	0.70
Barisal						
Bakergonj	5	35	40	1.00	1.00	1.00
Gouripur						
Kaliakoir	40	-	40	1.00	-	1.00
Narshingdi						
Shibpur	36	4	40	0.94	1.00	0.95
Raypura	40	-	40	0.95	-	0.95

District/upazila	Selected sample size			Proportion of actually sterilized cases for the sample		
	Tub.	Vas.	All	Tub.	Vas.	All
Tangail						
Nagorpur	40	-	40	1.00	-	1.00
Delduar	39	1	40	1.00	1.00	1.00
Ghatail	37	3	40	1.00	1.00	1.00
Jamalpur						
Madargonj	40	-	40	1.00	-	1.00
Mymensingh						
Fulbaria	38	2	40	1.00	1.00	1.00
Fulpur	38	2	40	1.00	0.00	0.95
Muktagacha	38	2	40	0.97	1.00	0.98
Kishoregonj						
Tarail	39	1	40	1.00	1.00	1.00
Netrokona						
Mohongonj	20	20	40	0.90	0.85	0.88
Sadar	31	9	40	0.97	1.00	0.98
Kendua	35	5	40	0.91	1.00	0.93
Brahmanbaria						
Sarail	34	6	40	0.97	1.00	0.98
Noakhali						
Begumgonj	37	3	40	1.00	1.00	1.00
Lakshmipur						
Ramgoti	37	3	40	1.00	1.00	1.00
Chittagong						
Patiya	40	-	40	1.00	-	1.00
Total	1102	418	1520	0.98	0.90	0.96