

**SOCIO ECONOMIC DEVELOPMENT AND HUMAN WELL-
BEING**

A Joint BRAC-ICDDR,B Research Project

**Seasonal Survey on Nutrition: Third Round
(Jan.-Apr. 1995)**

**Masuma Khatun
Sabah Tarannum
Sabrina Rasheed
SM Ziauddin Hyder**

December 1996

**Research and Evaluation Division, BRAC
International Centre for Diarrhoeal Disease Research, Bangladesh ICDDR,B**

Contents

Abstract	iv
List Of Tables	ii
Food Availability and Consumption	
Table 2.1: Distribution of study households according to 4 study cells.....	1
Table 3.1: Source and Amount of Total Food Entering the Household	2
Table 3.1.1. Effect of Embankment on Food Stock and Production	4
Table 3.2 : Source and Amount of Household Rice and Wheat Inflow	5
Table 3.3 : Source and Amount of Household Fruit and Vegetable Inflow.....	7
Table 3.4 : Source and Amount of Household Fish and Meat Inflow.....	9
Table 3.5 : Source and Amount of Household Milk and Egg Inflows	11
Table 3.6 : Amount of Incoming Food Consumed, Stocked, or Sold Over the Last Week	13
Table 3.7 : Amount of Food Consumed	15
Table 3.8 : Amount of Calories Consumed	20
Table 3.9 : Energy Consumption as percentage of Daily Requirement (2310 calories per day)	25
Anthropometric Status	
Table 5.1 : Total number of population surveyed by different age group in all 4 study cells	26
Table 5.1.1: Distribution of children (0-11) by age, sex, membership status and intervention cell	27
Table 5.1.2: Percent distribution of children who are underweight (<80%) according weight-for-age (% Median) by age and sex	28
Table 5.1.3: Percent distribution of stunted (<90%) children according to height-for-age (% of median) by age and sex	29
Table 5.1.4: Distribution of wasted (80%) children according weight-for height (% of media) by age and sex	30
Table 5.1.5: Prevalence of low MUAC (<125) among children <5 Yrs (6 mo - 59 mo) according to sex	31

Table 5.2.1: Distribution of adolescents (11-18 Yrs) by age and sex	33
Table 5.2.2: Mean Weight (kg) of adolescent according to sex.....	34
Table 5.2.3: Mean Height (cm) of adolescent according to sex	35
Table 5.2.4: Mean MUAC (mm) of adolescents according to sex	36
Table 5.2.5: Mean BMI of adolescents according to sex	37
Table 5.3.1: Distribution adults (18-60) by age, sex	38
Table 5.3.2(a): Mean Weight (kg) of young adults (18-45) according to age and sex	39
Table 5.3.3(a): Mean Height (cm) of young adults (18-45) according to age and sex	40
Table 5.3.4(a): Mean MUAC (mm) of young adult (18-45) population according to age and sex	41
Table 5.3.5(a): Mean of BMI of young adults (18-45) according to age and sex	42
Table 5.3.2(b): Mean Weight (kg) of adult (45-60) population according to age and sex.....	43
Table 5.3.3(b): Mean Height (cm) of adult (45-60) population according to age and sex	44
Table 5.3.4(b): Mean MUAC (mm) of adult (45-60) population according to age and sex....	45
Table 5.3.5(b): Mean BMI of adult (45-60) population according to age and sex	46
Table 5.3.6: Nutritional Status of adult women(15-60 Yrs) according to cut off points of BMI	47
Table 5.4.1: Distribution of elderly (60+) population by age, sex, membership status and intervention cell	48
Table 5.4.2: Mean weight (kg) of elderly population according sex, membership status and intervention cell	49
Table 5.4.3: Mean height (cm) of elderly population according to sex, membership status and intervention cell	50
Table 5.4.4: Mean MUAC (mm) of elderly population according to sex, membership status and intervention cell	51
Table 5.4.5: Mean BMI of elderly population according to sex, membership status and intervention cell	52

Abstract

Since 1992, BRAC and ICDDR,B have been implementing a joint research project in Matlab, Bangladesh to assess the pathways of impact of BRAC's development interventions on human well-being. The project identified improved nutritional status as one of the components of human well-being. This report documents the nutrition component of the third round seasonal survey findings conducted during January to May 1996 using the four-cell survey design. A total of 2076 households were interviewed to collect data on household food security and on anthropometry. Data on preceding one week's household food inflow and outflow were collected to describe food security at the household level. The anthropometric survey was conducted for all household members aged 6 month and above. Data on different parameters are shown in the report stratified by BRAC member, BRAC eligible non-member and BRAC non eligible non-member.

Results :

FOOD AVAILABILITY AND CONSUMPTION

Table 2.1: Distribution of households according to 4 study cells and membership status.

Membership Status	4 Study cells				
	BRAC- ICDDR,B (N)	BRAC Only (N)	ICDDR,B Only (N)	Comparison (N)	Total (N)
BRAC member	223	145	—	—	368
Non member TG	132	166	291	443	1032
Non member NTG	224	316	304	163	1007
Total (N)	579	627	595	606	2425

Table 3.1: Source and Amount of Total Food Entering the Household over the Week Preceding the Survey
(total food includes rice, wheat, pulses, fruits, vegetables, fish, meat, eggs, milk, and oil, expressed in kilogram per consumption unit *)

Variables	BRAC + ICDDR,B cell							BRAC-only cell						
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test			
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
Purchased	9.02 (± 6.28)	9.17 (± 7.41)	13.05 (± 15.08)	10.61 (± 11.28)	NS	p<0.001	7.90 (± 4.95)	10.19 (± 17.40)	10.71 (± 19.07)	9.93 (± 16.45)	NS	NS		
Home Produced	3.33 (± 8.30)	1.44 (± 4.64)	5.92 (± 13.870)	4.02 (± 10.46)	p<0.05	p<0.05	13.88 (± 32.45)	4.35 (± 15.08)	8.32 (± 26.21)	5.67 (± 32.38)	p<0.05	NS		
Others	0.30 (±0.58)	0.23 (±0.44)	0.28 (±1.87)	0.28 (±1.23)	NS	NS	0.63 (± 2.31)	0.95 (± 5.36)	0.28 (± 1.00)	0.54 (± 3.030)	NS	p<0.05		
Total	14.29 (± 19.97)	23.92 (± 21.71)	19.33 (± 21.43)	14.19 (± 15.11)	NS	p<0.001	22.42 (± 52.90)	15.30 (± 25.08)	19.32 (± 33.150)	19.15 (± 36.99)	NS	NS		
N	229	116	217	562			141	159	314	614				

Variables	ICDDR,B-only cell				Comparison cell			
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test
				(2) vs (3)				(6) vs (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Purchased	8.32 (± 6.72)	9.70 (± 9.48)	9.04 (± 8.31)	p<0.05	7.26 (± 7.28)	6.98 (± 9.02)	7.19 (± 7.77)	NS
Home Produced	5.51 (± 19.85)	13.92 (± 22.52)	9.92 (± 21.69)	p<0.001	9.36 (± 18.88)	27.36 (± 44.43)	14.17 (± 29.07)	p<0.001
Others	0.45 (± 0.88)	0.29 (± 1.30)	0.37 (± 1.12)	NS	0.96 (± 2.94)	0.64 (± 3.36)	0.88 (± 3.06)	NS
Total	14.29 (± 19.97)	23.92 (± 21.71)	19.33 (± 21.43)	p<0.001	17.60 (± 18.73)	35.19 (± 43.11)	22.24 (± 28.40)	p<0.001
N	270	297	567		421	151	372	

Variables	Aggregate Membership Comparison						
	BRAC members	Non-members		All	t - test		
		TGs	NTGs		(2) vs (3)	(2) vs (4)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Purchased	8.60 (± 5.83)	8.27 (± 9.64)	10.35 (± 14.66)	9.19 (± 11.620)	NS	p<0.05	
Home Produced	7.47 (± 33.34)	6.51 (± 17.68)	12.52 (± 27.730)	9.15 (± 25.21)	NS	p<0.01	
Others	0.43 (± 1.50)	0.73 (± 2.97)	0.34 (± 1.83)	0.52 (± 2.33)	NS	NS	
Total	16.50 (± 33.82)	15.52 (± 19.53)	23.21 (± 30.02)	18.86 (± 27.02)	NS	p<0.001	
N	370	966	979	2315			

Others includes : gift, aid, borrowed, bartered and received as payment in kind. * See annexure for details

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Purchased	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	p<0.01
			(1) vs (4)	p<0.05	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	p<0.01	(2) vs (4)	p<0.05
			(3) vs (4)	NS	(3) vs (4)	p<0.01
Home produced	(1) vs (2)	p<0.01	(1) vs (2)	p<0.05	(1) vs (2)	NS
			(1) vs (3)	p<0.05	(1) vs (3)	p<0.001
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	p<0.01
			(2) vs (4)	p<0.01	(2) vs (4)	p<0.001
			(3) vs (4)	p<0.01	(3) vs (4)	p<0.001
Others	(1) vs (2)	p<0.05	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	p<0.05	(1) vs (3)	NS
			(1) vs (4)	p<0.01	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	p<0.01	(3) vs (4)	NS
Total	(1) vs (2)	p<0.01	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	p<0.05
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	p<0.001
			(3) vs (4)	p<0.05	(3) vs (4)	p<0.001

Note: (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) - Comparison cell

Table 3.1.1: Effect of Embankment on Food Stock and Production Production Over the Last Week
(expressed in kilograms per consumption unit)

	BRAC + ICDDR,B			BRAC only		
	Member	Non-Member		Member	Non-Member	
		TG	NTG		TG	NTG
% of HHs Inside Embankment	21	24	4	55	82	79
Food Stock	2.18	1.07	1.16	9.09	13.34	32.17
Home Production	3.52	1.44	5.92	13.88	4.35	8.52

	ICDDR,B only		Comparison	
	TG	NTG	TG	NTG
% of HHs Inside Embankment	0	0	92	91
Food Stock	.00	.00	.00	.00
Home Production	5.51	13.92	9.36	27.57

Table 3.2 : Source and Amount of Household Rice and Wheat Inflow over the Week Preceding the Survey (expressed in kilograms per consumption unit)

Variables	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Purchased	5.91 (± 4.40)	6.42 (± 6.60)	8.44 (± 9.81)	6.99 (± 7.43)	NS	p<0.001	3.39 (± 4.19)	6.19 (± 13.16)	6.07 (± 14.46)	5.94 (± 12.47)	NS	NS
Home Produced	0.84 (± 3.60)	0.17 (± 1.71)	2.09 (± 11.66)	1.19 (± 8.14)	NS	NS	3.28 (± 11.19)	1.83 (± 8.98)	3.67 (± 14.18)	3.11 (± 12.35)	NS	NS
Others	0.05 (± 0.29)	0.01 (± 0.07)	0.12 (± 1.80)	0.07 (± 1.15)	NS	NS	0.09 (± 0.47)	0.42 (± 4.92)	0.01 (± 0.17)	0.13 (± 2.32)	NS	p<0.01
Total	6.81 (± 6.91)	6.60 (± 6.76)	10.67 (± 14.14)	8.25 (± 10.48)	NS	p<0.001	8.77 (± 11.72)	8.46 (± 18.36)	9.76 (± 19.94)	9.19 (± 17.43)	NS	NS
N	229	116	217	562			141	159	314	614		

Variables	ICDDR,B-only cell				Comparison cell			
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Purchased	5.32 (± 5.06)	6.31 (± 8.17)	5.84 (± 6.88)	NS	4.23 (± 4.73)	4.09 (± 8.24)	4.19 (± 5.83)	NS
Home Produced	4.14 (± 19.19)	11.59 (± 21.68)	8.04 (± 20.85)	p<0.001	7.59 (± 17.78)	23.59 (± 38.13)	11.81 (± 25.77)	p<0.001
Others	0.02 (± 0.25)	0.06 (± 1.00)	0.04 (± 0.74)	NS	0.53 (± 2.48)	0.27 (± 2.09)	0.46 (± 2.38)	NS
Total	9.49 (± 18.78)	17.97 (± 20.57)	13.93 (± 20.17)	p<0.001	12.36 (± 16.80)	24.96 (± 36.50)	16.48 (± 24.60)	p<0.001
N	270	297	567		421	151	572	

PANEL - 3								Aggregate Membership Comparison			
Variables	BRAC members	Non-members		All	t - test		N				
		TGs	NTGs		(2) vs (3)	(2) vs (4)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)					
Purchased	5.71 (± 4.32)	5.12 (± 7.15)	6.36 (± 10.98)	5.73 (± 8.66)	NS	NS					
Home Produced	1.77 (± 8.26)	4.79 (± 16.16)	8.79 (± 22.68)	5.93 (± 18.47)	p<0.01	p<0.001					
Others	0.06 (± 0.37)	0.31 (± 2.39)	0.09 (± 1.31)	0.18 (± 1.88)	NS	NS					
Total	7.53 (± 9.09)	10.22 (± 16.57)	15.26 (± 23.36)	11.89 (± 19.09)	p<0.01	p<0.001					
N	378	966	979	2315							

Others include : aid, gift, borrowed, bartered and payment in kind.

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Purchased	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	P,0.05
			(1) vs (3)	NS	(1) vs (3)	p<0.01
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	p<0.01	(2) vs (4)	NS
			(3) vs (4)	p<0.01	(3) vs (4)	p<0.01
Home produced	(1) vs (2)	p<0.01	(1) vs (2)	p<0.05	(1) vs (2)	NS
			(1) vs (3)	p<0.05	(1) vs (3)	p<0.001
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	p<0.001
			(2) vs (4)	p<0.001	(2) vs (4)	p<0.001
			(3) vs (4)	p<0.05	(3) vs (4)	p<0.001
Others	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	p<0.05	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	p<0.05
			(3) vs (4)	p<0.01	(3) vs (4)	NS
Total	(1) vs (2)	p<0.05	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	p<0.001
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	p<0.001
			(2) vs (4)	p<0.05	(2) vs (4)	p<0.001
			(3) vs (4)	p<0.05	(3) vs (4)	p<0.001

Note : (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) - Comparison cell

Table 3.3 : Source and Amount of Household Fruits and Vegetables Inflow over the Week Preceding the Survey
(expressed in kilograms per consumption unit)

Variables	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Purchased	2.30 (± 3.25)	2.15 (± 2.10)	2.68 (± 4.43)	2.41 (± 3.58)	NS	NS	1.88 (± 2.29)	2.61 (± 7.47)	2.74 (± 6.61)	2.51 (± 6.17)	NS	p<0.05
Home Produced	2.36 (± 3.93)	0.86 (± 2.99)	3.29 (± 7.64)	2.41 (± 6.28)	p<0.05	NS	10.39 (± 51.10)	2.27 (± 10.79)	4.00 (± 15.98)	5.00 (± 27.67)	NS	p<0.05
Others	0.16 (± 0.46)	0.16 (± 0.39)	0.08 (± 0.36)	0.13 (± 0.41)	NS	p<0.05	0.44 (± 2.25)	0.45 (± 2.02)	0.21 (± 0.93)	0.45 (± 2.02)	NS	NS
Total	4.83 (± 6.32)	3.19 (± 3.49)	6.05 (± 8.47)	4.96 (± 6.89)	p<0.05	NS	12.63 (± 51.53)	3.34 (± 16.13)	6.96 (± 16.93)	7.84 (± 28.68)	NS	NS
N	229	116	217	562			141	159	314	614		

Variables	ICDDR,B-only cell				Comparison cell			
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Purchased	2.33 (± 3.46)	2.21 (± 2.17)	2.26 (± 2.86)	NS	2.22 (± 4.75)	1.80 (± 1.95)	2.11 (± 4.20)	NS
Home Produced	1.14 (± 4.64)	1.69 (± 2.90)	1.43 (± 3.83)	NS	1.46 (± 4.95)	3.32 (± 11.05)	1.95 (± 7.13)	p<0.01
Others	0.33 (± 0.80)	0.16 (± 0.54)	0.24 (± 0.68)	p<0.01	0.33 (± 0.99)	0.33 (± 1.43)	0.34 (± 1.12)	NS
Total	3.81 (± 5.63)	4.06 (± 3.25)	3.94 (± 4.36)	NS	4.05 (± 6.64)	5.46 (± 11.02)	4.42 (± 8.04)	NS
N	278	297	567		421	151	572	

PANEL - 3

Variables	Aggregate Membership Comparison						
	BRAC members	Non-members		All	χ ² - test		
		TGs	NTGs		(2) vs (3)	(2) vs (4)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Purchased	2.14 (± 2.93)	2.31 (± 4.78)	2.42 (± 4.52)	2.32 (± 4.40)	NS	NS	
Home Produced	5.39 (± 32.05)	1.43 (± 6.08)	3.03 (± 10.810)	2.72 (± 15.11)	p<0.001	p<0.05	
Others	0.26 (± 1.44)	0.34 (± 1.14)	0.18 (± 0.84)	0.26 (± 1.08)	NS	NS	
Total	7.80 (± 32.23)	4.09 (± 8.52)	5.65 (± 11.44)	5.31 (± 15.83)	p<0.01	NS	
N	378	966	979	2315			

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Purchased	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	p<0.05
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	p<0.05
			(3) vs (4)	NS	(3) vs (4)	p<0.05
Home produced	(1) vs (2)	p<0.05	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	p<0.01
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	p<0.05
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	p<0.05
Others	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.05
			(1) vs (3)	p<0.05	(1) vs (3)	NS
			(1) vs (4)	p<0.05	(1) vs (4)	p<0.05
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	NS
Total	(1) vs (2)	p<0.05	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	p<0.001
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	p<0.01
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	p<0.05

Note : (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) - Comparison cell

Table 3.4 : Source and Amount of Household Fish and Meat Inflow over the Week Preceding the Survey
(expressed in kilograms per consumption unit)

Variables	BRAC + ICDDR,B cell					BRAC-only cell						
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		IGs	NTGs		(2) vs (3)	(2) vs (4)		IGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Purchased	0.27 (± 0.27)	0.28 (± 0.28)	0.70 (± 2.34)	0.44 (± 1.40)	NS	p<0.01	0.29 (± 0.30)	0.38 (± 0.45)	0.56 (± 0.56)	0.43 (± 0.49)	p<0.05	p<0.001
Home Produced	0.02 (± 0.08)	0.02 (± 0.08)	0.06 (± 0.17)	0.03 (± 0.12)	NS	p<0.01	0.05 (± 0.16)	0.04 (± 0.12)	0.09 (± 0.25)	0.07 (± 0.20)	NS	p<0.05
Others	0.08 (± 0.18)	0.05 (± 0.17)	0.06 (± 0.19)	0.07 (± 0.18)	NS	NS	0.07 (± 0.18)	0.06 (± 0.18)	0.05 (± 0.21)	0.06 (± 0.19)	NS	NS
Total	0.38 (± 0.31)	0.36 (± 0.31)	0.83 (± 2.34)	0.53 (± 1.49)	NS	p<0.01	0.42 (± 0.36)	0.49 (± 0.48)	0.71 (± 0.64)	0.59 (± 0.55)	NS	p<0.001
N	229	116	217	562			141	159	314	614		

Variables	ICDDR,B-only cell				Comparison cell			
	IGs	NTGs	Cell total	t - test (2) vs (3)	IGs	NTGs	Cell total	t - test (6) vs (7)
Purchased	0.35 (± 0.47)	0.49 (± 0.40)	0.43 (± 0.44)	p<0.001	0.48 (± 0.85)	0.61 (± 0.76)	0.51 (± 0.83)	NS
Home Produced	0.01 (± 0.07)	0.13 (± 0.04)	0.02 (± 0.12)	p<0.05	0.07 (± 0.33)	0.12 (± 0.30)	0.08 (± 0.33)	NS
Others	0.08 (± 0.26)	0.05 (± 0.22)	0.07 (± 0.24)	NS	0.06 (± 0.25)	0.04 (± 0.31)	0.05 (± 0.27)	NS
Totals	0.46 (± 0.50)	0.59 (± 0.45)	0.53 (± 0.48)	p<0.001	0.62 (± 0.92)	0.78 (± 0.83)	0.66 (± 0.90)	p<0.05
N	278	297	567		421	151	572	

PANEL - 3							
Aggregate Membership Comparison							
Variables	BRAC members	Non-members		All	χ ² - test		
		IGs	NTGs		(2) vs (3)	(2) vs (4)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Purchased	0.28 (± 0.28)	0.40 (± 0.63)	0.04 (± 0.23)	0.38 (± 1.20)	0.46 (± 0.90)	p<0.01	p<0.001
Home Produced	0.03 (± 0.12)	0.04 (± 0.23)	0.06 (± 0.24)	0.07 (± 0.22)	0.06 (± 0.21)	NS	p<0.001
Others	0.07 (± 0.18)	0.06 (± 0.24)	0.05 (± 0.23)	0.05 (± 0.23)	0.07 (± 0.23)	NS	NS
Totals	0.40 (± 0.33)	0.52 (± 0.71)	0.52 (± 0.71)	0.71 (± 1.20)	0.59 (± 0.94)	p<0.01	p<0.001
N	378	566	979	2315			

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Purchased	(1) vs (2)	NS	(1) vs (2)	p<0.05	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	p<0.05	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
Home produced	(1) vs (2)	p<0.05	(3) vs (4)	p<0.05	(3) vs (4)	p<0.05
			(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	p<0.01	(1) vs (4)	p<0.05
			(2) vs (3)	p<0.01	(2) vs (3)	p<0.001
Others	(1) vs (2)	NS	(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	p<0.01	(3) vs (4)	p<0.001
			(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
Total	(1) vs (2)	NS	(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	NS
			(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
		(1) vs (4)	NS	(1) vs (4)	NS	
		(2) vs (3)	p<0.01	(2) vs (3)	p<0.01	
		(2) vs (4)	NS	(2) vs (4)	NS	
		(3) vs (4)	p<0.01	(3) vs (4)	p<0.01	

Note : (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) - Comparison cell

Table 3.5 : Source and Amount of Household Milk and Egg Inflow over the Week Preceding the Survey
(expressed in kilograms per consumption unit)

Variables	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Purchased	0.12 (± 0.26)	0.12 (± 0.29)	0.47 (± 0.82)	0.25 (± 0.58)	NS	p<0.001	0.14 (± 0.32)	0.13 (± 0.33)	0.26 (± 0.44)	0.20 (± 0.39)	NS	p<0.01
Home Produced	0.28 (± 0.93)	0.22 (± 0.68)	0.41 (± 1.00)	0.32 (± 0.92)	NS	NS	0.24 (± 0.63)	0.19 (± 0.58)	0.55 (± 1.05)	0.39 (± 0.87)	NS	p<0.001
Others	0.01 (± 0.04)	0.01 (± 0.06)	0.00 (± 0.01)	0.00 (± 0.04)	NS	NS	0.00 (± 0.04)	0.01 (± 0.10)	0.01 (± 0.09)	0.01 (± 0.09)	NS	NS
Total	0.41 (± 0.94)	0.34 (± 0.70)	0.88 (± 1.18)	0.58 (± 1.03)	NS	p<0.001	0.39 (± 0.67)	0.34 (± 0.64)	0.82 (± 1.01)	0.60 (± 0.88)	NS	p<0.001
N	229	116	217	562			141	159	314	614		

Variables	ICDDR,B-only cell				Comparison cell			
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Purchased	0.12 (± 0.32)	0.29 (± 0.48)	0.21 (± 0.42)	p<0.001	0.17 (± 0.54)	0.22 (± 0.43)	0.18 (± 0.52)	NS
Home Produced	0.19 (± 0.75)	0.33 (± 1.11)	0.37 (± 0.97)	p<0.001	0.20 (± 0.77)	0.47 (± 1.13)	0.27 (± 0.89)	p<0.01
Others	0.01 (± 0.09)	0.00 (± 0.03)	0.00 (± 0.06)	NS	0.01 (± 0.07)	0.00 (± 0.00)	0.00 (± 0.06)	NS
Total	0.33 (± 0.80)	0.83 (± 1.08)	0.59 (± 0.99)	p<0.001	0.38 (± 0.91)	0.69 (± 1.14)	0.46 (± 0.98)	p<0.01
N	278	297	567		421	151	572	

Variables	Aggregate Membership Comparison						
	BRAC members	Non-members		All	χ ² - test		
		TGs	NTGs		(2) vs (3)	(2) vs (4)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Purchased	0.13 (± 0.28)	0.14 (± 0.43)	0.31 (± 0.28)	0.01 (± 0.07)	NS	p<0.001	
Home Produced	0.27 (± 0.83)	0.20 (± 0.72)	0.50 (± 1.07)	0.21 (± 0.48)	NS	p<0.001	
Others	0.00 (± 0.04)	0.01 (± 0.08)	0.00 (± 0.05)	0.34 (± 0.91)	NS	p<0.001	
Totals	0.00 (± 0.84)	0.36 (± 0.81)	0.82 (± 1.09)	0.56 (± 0.97)	NS	p<0.001	
N	378	966	979	2315			

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Purchased	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.001
			(1) vs (3)	NS	(1) vs (3)	p<0.01
			(1) vs (4)	NS	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
Home produced	(1) vs (2)	NS	(3) vs (4)	NS	(3) vs (4)	NS
			(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	NS
Others			(2) vs (4)	NS	(2) vs (4)	NS
	(1) vs (2)	NS	(3) vs (4)	NS	(3) vs (4)	NS
			(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
Total			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	NS
	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
		(1) vs (4)	NS	(1) vs (4)	NS	
		(2) vs (3)	NS	(2) vs (3)	NS	
		(2) vs (4)	NS	(2) vs (4)	NS	
		(3) vs (4)	NS	(3) vs (4)	NS	

Note : (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) Comparison cell

Table 3.6 : Amount of Incoming Food Consumed, Stocked, or Sold Over the Week Preceding the Survey
(in kilograms per consumption unit)

Variable	BRAC + IGDD,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Consumed	0.12 (± 0.26)	0.12 (± 0.29)	0.47 (± 0.58)	0.25 (± 0.38)	p<0.05	p<0.001	11.27 (± 46.74)	9.66 (± 13.40)	8.64 (± 6.39)	9.51 (± 23.81)	NS	NS
Stocked	0.28 (± 0.93)	0.22 (± 0.68)	0.41 (± 1.00)	0.32 (± 0.92)	NS	NS	11.04 (± 25.32)	5.70 (± 27.00)	10.65 (± 33.11)	9.48 (± 29.98)	NS	NS
Sold	0.14 (± 0.57)	0.09 (± 0.37)	0.21 (± 0.62)	0.13 (± 0.36)	NS	NS	0.09 (± 0.39)	0.06 (± 0.36)	0.22 (± 0.76)	0.15 (± 0.61)	NS	NS
N	229	116	217	562			141	159	314	614		
Variable	IGDD,B-only cell				Comparison cell							
	TGs	NTGs	Cell total	Cell total	T - test		TGs	NTGs	Cell total	t - test		
					(2) vs (3)	(5)					(6) vs (7)	(9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
Consumed	7.71 (± 3.55)	9.17 (± 4.21)	8.48 (± 3.98)	10.70 (± 20.31)	p<0.001	p<0.001	7.37 (± 3.34)	7.89 (± 3.41)	7.51 (± 3.36)	14.60 (± 27.32)	p<0.001	NS
Stocked	6.49 (± 19.30)	14.34 (± 20.48)	10.70 (± 20.31)	0.14 (± 0.65)	p<0.01	p<0.01	10.12 (± 17.61)	27.09 (± 41.96)	14.60 (± 27.32)	0.19 (± 0.60)	NS	NS
Sold	0.07 (± 0.57)	0.21 (± 0.70)	0.14 (± 0.65)	0.14 (± 0.65)			0.09 (± 0.58)	0.19 (± 0.66)	0.12 (± 0.60)	0.12 (± 0.60)		
N	270	297	567	567			421	151	572	572		
Aggregate Membership Comparison												
Variable	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)					
Consumed	9.51 (± 29.39)	7.80 (± 6.28)	9.77 (± 17.05)	8.89 (± 16.60)	NS	NS	NS					
Stocked	6.86 (± 18.24)	7.63 (± 19.25)	13.22 (± 33.43)	9.83 (± 26.13)	NS	NS	p<0.01					
Sold	0.12 (± 0.51)	0.08 (± 0.52)	0.21 (± 0.70)	0.15 (± 0.61)	NS	NS	p<0.05					
N	370	966	979	2315								

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Consumed	(1) vs (2)	NS	(1) vs (2)	p<0.05	(1) vs (2)	p<0.05
			(1) vs (3)	NS	(1) vs (3)	p<0.05
			(1) vs (4)	NS	(1) vs (4)	p<0.05
			(2) vs (3)	p<0.05	(2) vs (3)	NS
			(2) vs (4)	p<0.01	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	p<0.01
Stocked	(1) vs (2)	p<0.001	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	p<0.01
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	p<0.001
			(3) vs (4)	p<0.05	(3) vs (4)	p<0.01
Sold	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	NS

Note : (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) - Comparison cell

Table 3.7: Amount of Food Consumed during the Week Preceding the Survey
(in grams per capita per day)

Variables	BRAC + ICDDR,B cell					BRAC-only cell						
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Rice	419.83 ±160.85	387.01 ±108.26	415.17 ±154.30	411.26 ±154.30	p<0.05	NS	407.10 ±128.57	434.82 ±174.30	427.10 ±179.54	424.86 ±167.83	NS	NS
Wheat	45.75 ±72.52	29.39 ±56.52	33.23 ±58.85	37.54 ±64.61	p<0.05	p<0.05	36.20 ±67.45	18.77 ±52.41	19.24 ±57.46	23.01 ±56.13	p<0.05	p<0.01
Pulses	10.12 ±13.39	11.37 ±24.86	20.87 ±26.57	14.53 ±22.29	NS	p<0.001	8.43 ±10.86	7.31 ±10.60	14.68 ±16.46	11.34 ±14.36	NS	p<0.001
Leafy Vegetables	101.21 ±13.39	92.24 ±78.68	149.95 ±188.21	118.17 ±133.00	NS	p<0.001	630.59 ±600.50	144.75 ±126.24	160.21 ±116.08	264.22 ±287.86	NS	NS
Other Vegetables	216.48 ±193.56	186.73 ±180.90	246.26 ±249.94	221.84 ±215.61	NS	NS	155.36 ±96.37	157.50 ±295.69	155.79 ±119.42	156.13 ±178.72	NS	NS
Fruit	11.68 ±27.51	7.50 ±20.44	22.29 ±35.09	14.91 ±30.07	NS	p<0.001	5.09 ±17.88	8.93 ±21.87	24.46 ±16.85	15.99 ±36.34	NS	p<0.001
Fish	35.63 ±27.58	34.52 ±29.78	56.52 ±46.02	43.47 ±37.60	NS	p<0.001	38.24 ±29.15	46.12 ±39.48	66.20 ±51.13	54.58 ±45.61	p<0.05	p<0.001
Meat	8.09 ±18.33	7.73 ±18.80	23.45 ±49.72	13.95 ±34.89	NS	p<0.001	9.67 ±23.81	7.92 ±19.30	15.13 ±28.53	12.01 ±25.53	NS	p<0.05
Eggs	2.94 ±5.14	3.06 ±5.01	6.46 ±9.14	4.32 ±7.14	NS	p<0.001	3.77 ±4.31	3.13 ±4.99	4.92 ±6.27	4.19 ±5.59	NS	p<0.05
Milk	28.86 ±53.12	26.13 ±48.03	71.39 ±101.03	44.72 ±77.45	NS	p<0.001	31.15 ±54.16	28.08 ±53.34	65.85 ±54.16	48.10 ±63.92	NS	p<0.001
Added Oil	90.01 ±888.03	9.92 ±8.53	21.27 ±58.91	46.94 ±568.46	NS	NS	9.23 ±4.66	114.49 ±938.32	14.45 ±10.97	39.16 ±478.53	NS	p<0.001
Total	970.64 ±945.63	795.63 ±313.21	1066.90 ±633.15	971.69 ±740.13	p<0.05	NS	1334.89 ±6019.32	971.85 ±1050.92	968.72 ±386.26	1053.63 ±2942.68	NS	NS
N	229	116	217	562			141	159	314	614		

Variables	ICDDR,B-only cell			t - test (2) vs (3)	Comparison cell			t - test (6) vs (7)
	TGs	NTGs	Cell total		TGs	NTGs	Cell total	
	(1)	(2)	(3)		(4)	(5)	(6)	
Rice	392.16 ±162.28	419.59 ±174.93	406.53 ±169.43	NS	377.31 ±150.12	390.33 ±147.30	380.74 ±149.36	NS
Wheat	21.86 ±46.23	36.54 ±77.50	29.55 ±64.89	p<0.01	14.35 ±37.76	15.62 ±38.01	14.69 ±37.80	NS
Pulses	5.81 ±11.79	11.86 ±15.05	8.89 ±13.91	p<0.001	3.90 ±13.92	6.59 ±14.83	4.61 ±14.20	p<0.05
Leafy Vegetables	119.43 ±94.03	148.20 ±168.62	134.50 ±138.85	p<0.01	141.06 ±126.10	152.42 ±122.99	144.06 ±125.28	NS
Other Vegetables	231.43 ±161.22	283.01 ±213.81	258.45 ±200.45	p<0.01	174.28 ±154.29	176.47 ±133.38	174.86 ±148.94	NS
Fruit	15.19 ±36.56	22.10 ±34.04	18.81 ±35.40	p<0.05	9.48 ±28.78	18.64 ±49.10	11.90 ±35.48	p<0.01
Fish	44.22 ±41.73	60.82 ±44.82	52.91 ±44.12	p<0.001	57.55 ±62.60	72.52 ±80.07	61.51 ±67.90	p<0.05
Meat	8.24 ±32.91	9.54 ±22.93	8.92 ±28.11	NS	9.33 ±33.37	18.80 ±47.12	11.83 ±37.68	p<0.01
Eggs	2.33 ±6.46	3.72 ±7.79	3.06 ±7.22	p<0.05	2.96 ±6.88	3.17 ±5.77	3.02 ±6.60	NS
Milk	27.38 ±50.11	69.94 ±78.89	49.67 ±70.01	p<0.001	27.55 ±68.25	57.77 ±146.24	35.53 ±95.63	p<0.01
Added Oil	10.20 ±8.09	14.14 ±8.50	12.27 ±8.53	p<0.001	8.24 ±11.31	9.62 ±7.43	8.61 ±10.44	NS
Total	8.78 ±395.87	1079.51 ±516.13	983.70 ±473.19	p<0.001	826.06 ±397.18	922.01 ±417.95	851.39 ±403.90	p<0.05
N	270	297	567		421	151	572	

Aggregate Membership Comparison						
Variable	BRAC members	Non-members		All	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Rice	414.98 ±149.32	392.09 ±154.66	416.73 ±170.92	405.43 ±161.24	p<0.05	NS
Wheat	42.11 ±70.69	18.98 ±45.51	27.03 ±61.05	26.25 ±57.77	p<0.001	p<0.001
Pulses	9.48 ±12.50	5.89 ±14.86	13.95 ±19.12	9.83 ±16.84	p<0.001	p<0.001
Leafy Vegetables	302.94 ±3708.47	129.76 ±114.12	153.09 ±151.94	166.72 ±1480.25	NS	NS
Other Vegetables	193.19 ±166.00	188.99 ±196.20	217.63 ±194.67	201.42 ±191.16	NS	p<0.05
Fruit	9.17 ±24.48	10.75 ±29.48	22.36 ±46.65	15.29 ±34.40	NS	p<0.001
Fish	36.63 ±28.18	49.18 ±51.15	63.40 ±54.07	53.18 ±50.34	p<0.001	p<0.001
Meat	8.69 ±20.57	8.60 ±29.83	15.85 ±36.50	11.66 ±31.82	NS	p<0.001
Eggs	3.25 ±4.85	2.82 ±6.28	4.63 ±7.47	3.64 ±6.65	NS	p<0.01
Milk	24.73 ±53.46	27.42 ±58.89	67.07 ±94.16	44.43 ±77.40	NS	p<0.001
Added Oil	59.23 ±699.15	26.48 ±381.79	15.12 ±29.13	26.73 ±371.50	NS	p<0.05
Total	1109.45 ±378.57	861.01 ±554.69	1016.45 ±497.58	964.59 ±1582.71	p<0.05	NS
N	370	966	979	2315		

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Rice	(1) vs (2)	NS	(1) vs (2)	p<0.01	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	p<0.05	(2) vs (3)	NS
			(2) vs (4)	p<0.001	(2) vs (4)	p<0.05
		(3) vs (4)	NS	(3) vs (4)	NS	
Wheat	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.01
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.01
			(2) vs (3)	NS	(2) vs (3)	p<0.01
			(2) vs (4)	NS	(2) vs (4)	NS
		(3) vs (4)	p<0.05	(3) vs (4)	p<0.01	
Pulse	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.01
			(1) vs (3)	p<0.01	(1) vs (3)	p<0.001
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	p<0.05
			(2) vs (4)	p<0.01	(2) vs (4)	p<0.001
		(3) vs (4)	NS	(3) vs (4)	p<0.001	
Leafy Veg.	(1) vs (2)	NS	(1) vs (2)	p<0.001	(1) vs (2)	NS
			(1) vs (3)	p<0.01	(1) vs (3)	NS
			(1) vs (4)	p<0.001	(1) vs (4)	NS
			(2) vs (3)	p<0.05	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
		(3) vs (4)	p<0.05	(3) vs (4)	NS	
Other Veg.	(1) vs (2)	p<0.01	(1) vs (2)	NS	(1) vs (2)	p<0.001
			(1) vs (3)	p<0.05	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	p<0.01
			(2) vs (3)	p<0.01	(2) vs (3)	p<0.001
			(2) vs (4)	NS	(2) vs (4)	NS
		(3) vs (4)	p<0.001	(3) vs (4)	p<0.001	
Fruits	(1) vs (2)	p<0.05	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	p<0.05	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	p<0.05	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
		(3) vs (4)	p<0.05	(3) vs (4)	NS	

Note : (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) - Comparison cell

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Fish	(1) vs (2)	NS	(1) vs (2)	p<0.01	(1) vs (2)	p<0.05
			(1) vs (3)	p<0.05	(1) vs (3)	NS
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.05
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	p<0.05	(2) vs (4)	NS
			(3) vs (4)	p<0.01	(3) vs (4)	p<0.05
Meat	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.05
			(1) vs (3)	NS	(1) vs (3)	p<0.001
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	p<0.01
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	p<0.01
Eggs	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.05
			(1) vs (3)	NS	(1) vs (3)	p<0.001
			(1) vs (4)	NS	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	p<0.05
			(2) vs (4)	NS	(2) vs (4)	p<0.01
			(3) vs (4)	NS	(3) vs (4)	NS
Milk	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	NS
Added Oil	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.05
			(1) vs (3)	NS	(1) vs (3)	p<0.05
			(1) vs (4)	NS	(1) vs (4)	p<0.01
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	p<0.05	(2) vs (4)	p<0.001
			(3) vs (4)	p<0.01	(3) vs (4)	p<0.001
Total	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.05
			(1) vs (3)	p<0.05	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	p<0.01
			(2) vs (3)	NS	(2) vs (3)	p<0.01
			(2) vs (4)	p<0.05	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	p<0.001

Note : (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) - Comparison cell

Table 3.8 : Amount of Calories Consumed during the Week Preceding the Survey
(in Kcal per capita per day)

(1)	BRAC + ICDDR,B cell					BRAC-only cell						
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TCs	NTCs		(2) vs (3)	(2) vs (4)		(8) vs (9)	(8) vs (10)			
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Rice	1124 ±816	1309 ±1108	1203 ±1154	1193 ±1020	NS	NS	1066 ±761	1372 ±1312	1143 ±1710	1185 ±1443	p<0.05	NS
Wheat	156 ±247	100 ±192	113 ±200	128 ±220	p<0.05	p<0.05	123 ±230	64 ±178	65 ±175	78 ±191	p<0.05	p<0.01
Pulses	34 ±45	32 ±44	64 ±45	45 ±56	NS	p<0.001	28 ±37	25 ±36	50 ±56	38 ±49	NS	p<0.001
Leafy Vegetables	68 ±49	62 ±53	91 ±62	76 ±56	NS	p<0.001	87 ±65	98 ±85	106 ±72	100 ±74	NS	p<0.01
Other Vegetables	143 ±106	118 ±89	156 ±113	143 ±106	p<0.05	NS	108 ±67	95 ±71	106 ±73	104 ±71	NS	NS
Fruit	6 ±15	4 ±12	12 ±19	8 ±16	NS	p<0.001	2 ±9	4 ±12	13 ±24	8 ±19	NS	p<0.001
Fish	44 ±34	43 ±37	71 ±57	54 ±47	NS	p<0.001	48 ±36	58 ±49	83 ±64	68 ±77	p<0.05	p<0.001
Meat	9 ±20	8 ±21	26 ±55	15 ±39	NS	p<0.001	10 ±26	8 ±21	16 ±31	13 ±28	NS	p<0.05
Eggs	5 ±8	5 ±8	10 ±14	7 ±11	NS	p<0.001	6 ±7	5 ±8	8 ±10	7 ±9	NS	p<0.05
Milk	19 ±35	17 ±32	44 ±51	28 ±43	NS	p<0.001	20 ±36	18 ±35	44 ±45	32 ±42	NS	p<0.001
Edible Oil	83 ±62	89 ±76	146 ±119	108 ±95	NS	p<0.001	83 ±41	87 ±77	130 ±98	108 ±86	NS	p<0.001
Total	1696 ±944	1791 ±1232	1940 ±1379	1810 ±1190	NS	p<0.05	1587 ±896	1839 ±1452	1769 ±1852	1746 ±1577	NS	NS
N	229	116	217	562			141	159	314	614		

	ICDDR,B-only cell				Comparison cell			
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test
	(1)	(2)	(3)	(2) vs (3)	(6)	(7)	(8)	(6) vs (7)
Rice	1217	1168	1192	NS	1150	1081	1132	NS
	±1031	±1022	±1026		±1290	±1137	±1251	
Wheat	74	124	100	p<0.01	48	53	50	NS
	±159	±264	±221		±128	±129	±128	
Pulses	19	40	30	p<0.001	11	19	13	p<0.01
	±40	±51	±47		±30	±35	±32	
Leafy Vegetables	81	95	88	p<0.01	95	103	97	NS
	±63	±73	±69		±85	±83	±85	
Other Vegetables	162	189	176	p<0.01	117	123	118	NS
	±126	±129	±129		±93	±93	±93	
Fruit	8	12	10	p<0.05	5	10	6	p<0.01
	±20	±18	±19		±15	±27	±19	
Fish	55	76	66	p<0.001	72	91	77	p<0.05
	±52	±56	±55		±78	±100	±85	
Meat	9	10	10	NS	10	21	13	p<0.01
	±36	±25	±31		±37	±52	±42	
Eggs	3	5	4	p<0.01	4	5	4	NS
	±9	±8	±9		±9	±9	±9	
Milk	18	46	33	p<0.001	18	32	22	p<0.01
	±33	±52	±46		±45	±46	±46	
Edible Oil	91	127	110	p<0.001	74	86	77	NS
	±72	±76	±76		±101	±67	±94	
Total	1742	1899	1824	NS	1610	1628	1615	NS
	±1223	±1257	±1242		±1464	±1332	±1429	
N	270	297	567		421	151	572	

Aggregate Membership Comparison						
(1)	BRAC members (2)	Non-members		All (5)	t - test	
		TGs (3)	NTGs (4)		(2) vs (3) (6)	(2) vs (4) (7)
Rice	1102 ±795	1225 ±1207	1155 ±1321	1172 ±1199	NS	NS
Wheat	143 ±241	64 ±155	92 ±18	89 ±196	p<0.001	p<0.001
Pulses	32 ±42	18 ±37	45 ±56	32 ±48	p<0.001	p<0.001
Leafy Vegetables	76 ±56	88 ±77	99 ±72	90 ±72	p<0.01	p<0.001
Other Vegetables	130 ±94	126 ±102	145 ±110	134 ±105	NS	p<0.01
Fruit	5 ±13	5 ±16	12 ±22	8 ±18	NS	p<0.001
Fish	46 ±35	61 ±64	79 ±68	67 ±63	p<0.001	p<0.001
Ment	9 ±23	9 ±33	17 ±40	13 ±35	NS	p<0.001
Eggs	5 ±8	4 ±9	7 ±11	6 ±10	p<0.05	p<0.001
Milk	19 ±35	18 ±39	43 ±49	29 ±45	NS	p<0.001
Edible Oil	83 ±55	83 ±88	126 ±95	101 ±89	NS	p<0.001
Total	1654 ±926	1706 ±1372	1825 ±1510	1744 ±1371	NS	p<0.05
N	370	966	979	2315		

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Rice	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
Wheat	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.01
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	p<0.01	(1) vs (4)	p<0.01
			(2) vs (3)	NS	(2) vs (3)	p<0.01
			(2) vs (4)	NS	(2) vs (4)	NS
Pulses	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.01
			(1) vs (3)	p<0.01	(1) vs (3)	p<0.001
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	p<0.05
			(2) vs (4)	p<0.001	(2) vs (4)	p<0.001
L.veg.	(1) vs (2)	p<0.01	(1) vs (2)	p<0.001	(1) vs (2)	p<0.01
			(1) vs (3)	p<0.01	(1) vs (3)	NS
			(1) vs (4)	p<0.001	(1) vs (4)	NS
			(2) vs (3)	p<0.05	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
Other veg.	(1) vs (2)	p<0.01	(1) vs (2)	p<0.05	(1) vs (2)	p<0.001
			(1) vs (3)	p<0.01	(1) vs (3)	p<0.01
			(1) vs (4)	NS	(1) vs (4)	p<0.01
			(2) vs (3)	p<0.001	(2) vs (3)	p<0.001
			(2) vs (4)	p<0.01	(2) vs (4)	p<0.05
Fruits	(1) vs (2)	p<0.01	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	p<0.05	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	p<0.05	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
		(3) vs (4)	p<0.05	(3) vs (4)	NS	

Variable	Member		TG non-members		NTGs	
	Cell comparison	p value + sig.	Cell comparison	p value + sig.	Cell comparison	p value + sig.
Fish	(1) vs (2)	NS	(1) vs (2)	p<0.001	(1) vs (2)	p<0.05
			(1) vs (3)	p<0.05	(1) vs (3)	NS
			(1) vs (4)	p<0.001	(1) vs (4)	p<0.05
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	p<0.05	(2) vs (4)	NS
			(3) vs (4)	p<0.01	(3) vs (4)	p<0.05
Meat	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.01
			(1) vs (3)	NS	(1) vs (3)	p<0.001
			(1) vs (4)	NS	(1) vs (4)	NS
			(2) vs (3)	NS	(2) vs (3)	p<0.01
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	p<0.01
Eggs	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	p<0.05
			(1) vs (3)	NS	(1) vs (3)	p<0.001
			(1) vs (4)	NS	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	p<0.01
			(2) vs (4)	NS	(2) vs (4)	p<0.01
			(3) vs (4)	NS	(3) vs (4)	NS
Milk	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	p<0.05
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	p<0.01
			(3) vs (4)	NS	(3) vs (4)	p<0.01
Edible Oil	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	p<0.05
			(1) vs (4)	NS	(1) vs (4)	p<0.001
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	p<0.001
			(3) vs (4)	p<0.01	(3) vs (4)	p<0.001
Total	(1) vs (2)	NS	(1) vs (2)	NS	(1) vs (2)	NS
			(1) vs (3)	NS	(1) vs (3)	NS
			(1) vs (4)	NS	(1) vs (4)	p<0.05
			(2) vs (3)	NS	(2) vs (3)	NS
			(2) vs (4)	NS	(2) vs (4)	NS
			(3) vs (4)	NS	(3) vs (4)	p<0.05

Note : (1) - BRAC+ICDDR,B cell; (2) - BRAC cell; (3) - ICDDR,B cell; (4) - Comparison cell

Table 3.9 : Energy Consumption as percentage of Daily Requirement (2310 calories per day) during the Week Preceding the Survey

Variables	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
< 2310	83	87	78	82	NS	NS	89	80	83	84	p<0.05	NS
≥ 2310	17	13	22	18			11	20	17	16		
N	229	116	217	562			141	159	314	614		
Variables	ICDDR,B-only cell				Comparison cell							
	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(6) vs (7)				(6) vs (7)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
< 2310	82	79	80	NS	88	80	86	p<0.05				
≥ 2310	18	21	20		12	20	14					
N	270	297	567		421	151	572					
PANEL - 3	Aggregate Membership Comparison											
Variables	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
< 2310	86	84	80	83	NS	p<0.05						
≥ 2310	14	16	20	17								
N	370	966	979	2315								

ANTHROPOMETRIC STATUS

Table 5.1: Total number of population surveyed by different age group in all four cells and the percentage of male female

Age	All 4 cells		
	Sex	No. of population	Percentage
<u>Children:</u>			
Under 5 years	Male	733	51.0
	Female	713	49.0
All		1446	100
5-11 years	Male	1095	52.0
	Female	1012	48.0
All		2107	100
<u>Adolescents: 11-18 years</u>			
	Male	1095	52.0
	Female	1005	48.0
All		2100	100
<u>Adults</u>			
Younger adults: 18-45 years	Male	2078	47.0
	Female	2371	53.0
All		4449	100
Older adults: 45-60 years	Male	682	48.0
	Female	733	52.0
All		1415	100
<u>Elderly: 60 years and above</u>			
	Male	441	52.0
	Female	407	48.0
All		848	100

Table 5.11 : Distribution of children (0-11) by age, sex, membership status and intervention cell

		BRAC + ICDDR,B cell				BRAC-only cell			
Age in year	Sex	BRAC members	Non-members		Cell total	BRAC members	Non-members		cell total
			TGs	NTGs			TGs	NTGs	
(1)		(2)	(3)	(4)	(5)	(8)	(9)	(10)	(11)
< 5	M	83	39	64	186	41	49	117	207
	F	67	27	50	144	54	51	91	196
	ALL	150	66	114	330	95	100	208	403
5 - 11	M	112	46	89	247	83	89	128	300
	F	106	46	71	223	79	73	151	303
	ALL	218	92	160	470	162	162	279	603
		ICDDR,B-only cell				Comparison cell			
Age in year	Sex	TGs	NTGs	cell total	TGs	NTGs	cell total		
(1)		(3)	(4)	(5)	(9)	(10)	(11)		
< 5	M	65	72	137	152	52	204		
	F	81	89	170	150	53	203		
	ALL	146	161	307	302	105	407		
5 - 11	M	122	114	236	239	73	312		
	F	110	117	227	189	70	259		
	ALL	232	231	463	428	143	571		
Aggregate Membership									
Age in year	Sex	BRAC members	Non-members		All				
(1)		(2)	TGs	NTGs	(5)				
(3)	(4)								
< 5	M	124	305	304	733				
	F	121	309	283	713				
	ALL	245	614	587	1446				
5 - 11	M	195	496	404	1095				
	F	185	418	409	1012				
	ALL	380	914	813	2107				

Table .1.2: Percent distribution of children who are underweight (<80%) according weight-for-age (% Median) by age, sex and membership status and intervention cell

		BRAC + ICDDR,B cell					BRAC-only cell						
Age In year	Sex	BRAC members	Non-members		Cell total	χ^2 - test		BRAC members	Non-members		Cell total	χ^2 - test	
			TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
< 5	M	41.7	55.6	37.3	43.5	NS	NS	38.9	40.5	42.4	41.4	NS	NS
	F	51.0	25.0	39.0	41.4			62.2	56.8	44.8	53.6		
	All	45.9	43.3	38.0	42.6			51.8	48.1	43.4	46.9		
5 - 11	M	78.8	81.8	67.2	75.3	NS	NS	89.4	83.6	80.0	83.8	NS	NS
	F	76.2	71.4	70.0	73.5			73.8	80.0	80.3	78.5		
	All	77.5	77.0	68.4	74.4			81.7	81.9	80.2	81.1		
		ICDDR,B-only cell					Comparison cell						
Age In year	Sex	TGs	NTGs	Cell total	χ^2 - test		TGs	NTGs	Cell total	χ^2 - test			
					(2) vs (3)	(2) vs (4)				(6) vs (7)	(6) vs (7)		
(1)		(2)	(3)	(4)	(5)		(6)	(7)	(8)	(9)			
< 5	M	40.0	33.3	36.8	NS	NS	62.2	44.4	57.8	NS	NS		
	F	61.4	33.3	47.8	< .05		55.4	50.0	54.2				
	All	52.0	33.3	42.7	< .05		58.7	47.0	56.1				
5 - 11	M	92.0	81.0	86.6	NS	NS	91.0	84.03	89.5	NS	NS		
	F	84.3	79.8	81.9	NS		86.5	85.2	86.2				
	All	87.9	80.3	84.1	NS		88.9	85.6	88.1				
Aggregate Membership Comparison													
Age In year	Sex	BRAC members	Non-members		All	χ^2 - test							
			TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)		(2)	(3)	(4)	(5)	(6)	(7)						
< 5	M	40.6	52.4	39.2	45.1	NS	NS						
	F	56.3	54.3	40.5	49.6	NS	NS						
	All	48.4	53.4	39.8	47.3	NS	NS						
5 - 11	M	83.4	89.0	78.2	84.1	NS	NS						
	F	75.2	83.5	79.4	80.3	< .05	NS						
	All	79.3	86.4	78.8	82.2	< .01	NS						

Table 5.1.3: Percent distribution of stunted (<90%) children according to height-for-age (% of median) by age and sex, membership status and intervention cell

		BRAC + ICDDR,B cell					BRAC-only cell						
Age in year	Sex	BRAC members	Non-members		Cell total	χ^2 - test		BRAC members	Non-members		Cell total	χ^2 - test	
			TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
< 5	M	13.2	10.0	14.7	13.0	NS	NS	-	7.1	6.7	5.6	NS	NS
	F	12.9	-	13.3	10.5			13.8	4.0	2.5	6.4		
	All	13.0	6.5	14.3	12.0			8.3	5.7	5.0	6.0		
5 - 11	M	10.7	6.1	6.3	8.3	NS	NS	6.2	11.7	3.2	6.3	NS	NS
	F	7.0	4.5	15.8	9.2			9.3	4.3	8.4	7.6		
	All	9.0	5.5	9.8	8.7			7.6	8.4	5.8	6.8		

		ICDDR,B-only cell				Comparison cell			
Age in year	Sex	TGs	NTGs	Cell total	χ^2 - test (2) vs (3)	TGs	NTGs	Cell total	χ^2 - test (6) vs (7)
< 5	M	5.7	8.3	6.7	NS	8.5	14.3	9.8	NS
	F	10.4	4.9	7.9		11.6	5.3	10.2	
	All	8.0	6.5	7.3		10.4	10.0	11.1	
5 - 11	M	15.3	11.4	12.3	NS	8.6	10.2	8.9	NS
	F	17.2	16.3	15.5		9.4	6.5	8.7	
	All	16.2	13.8	13.9		8.9	8.3	8.8	

		Aggregate Membership Comparison					
Age in year	Sex	BRAC members	Non-members		All	χ^2 - test	
			TGs	NTGs			(2) vs (3)
(1)		(2)	(3)	(4)	(5)	(6)	(7)
< 5	M	15.0	40.9	18.4	24.8	NS	NS
	F	28.2	50.0	26.3	34.8	NS	
	All	21.5	44.1	21.1	28.9	< .05	
5 - 11	M	47.7	48.9	37.8	44.8	NS	NS
	F	60.3	54.5	37.9	50.9	NS	
	All	46.3	51.7	37.8	45.3	NS	

Table S.1.4: Distribution of wasted (80%) children according weight-for height (% of media) by age and sex, membership status and intervention cell

		BRAC + ICDDR,B cell						BRAC-only cell					
Age in year	Sex	BRAC members	Non-members		Cell total	χ^2 - test		BRAC members	Non-members		Cell total	χ^2 - test	
			TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
< 5	M	15.0	40.9	18.4	22.0	< .05	NS	14.3	25.8	23.6	22.6	NS	NS
	F	28.2	50.0	26.3	31.4	NS	NS	47.1	62.1	15.7	36.8		< .01
	All	21.5	39.5	21.1	25.3	< .05	NS	34.5	43.3	20.3	29.4		NS
5 - 11	M	47.7	48.9	37.8	52.2	NS	NS	62.3	59.0	43.9	53.4	NS	< .05
	F	44.8	54.5	37.9	44.7	NS	NS	55.3	62.0	52.8	55.7		NS
	All	46.3	51.7	37.8	44.6	NS	NS	58.8	60.4	48.7	54.5		< .01
		ICDDR,B-only cell						Comparison cell					
Age in year	Sex	TGs	NTGs	Cell total	χ^2 - test		TGs	NTGs	Cell total	χ^2 - test			
					(4)	(5)				(6) vs (7)	(9)		
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
< 5	M	24.4	19.5	22.0	NS	52.4	26.9	46.3	<.05				
	F	36.5	20.8	29.0	NS	43.5	53.8	45.9	NS				
	All	31.2	20.2	25.8	NS	47.9	46.4	46.1	NS				
5 - 11	M	44.6	41.3	43.0	NS	79.7	42.9	60.3	< .01				
	F	59.4	40.4	49.5	< .01	69.2	52.2	64.7	< .05				
	All	51.8	40.8	46.3	< .05	74.5	47.4	67.2	< .001				
Aggregate Membership Comparison													
Age in year	Sex	BRAC members	Non-members		All	χ^2 - test							
			TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)		(2)	(3)	(4)	(5)	(6)	(7)						
< 5	M	14.8	39.8	22.0	28.5	< .001	NS						
	F	37.0	44.9	25.7	36.5	NS	NS						
	All	28.9	42.4	23.7	36.5	< .01	< .05						
5 - 11	M	53.8	57.8	41.7	51.1	NS	< .01						
	F	49.2	63.8	46.5	54.2	< .01	NS						
	All	51.5	37.7	44.1	42.7	NS	< .05						

Table S.2.1 : Distribution of adolescents (11-18) by age, sex, membership status and intervention cell

		BRAC + ICDDR,B cell				BRAC-only cell			
Age in year	Sex	BRAC members	Non-members		Cell total	BRAC members	Non-members		cell total
			TGs	NTGs			TGs	NTGs	
(1)		(2)	(3)	(4)	(5)	(8)	(9)	(10)	(11)
11 - 18	M	108	41	101	250	74	61	165	300
	F	107	28	78	213	55	64	161	280
	ALL	215	69	179	463	129	125	326	580
		ICDDR,B-only cell				Comparison cell			
Age in year	Sex	TGs	NTGs	cell total	TGs	NTGs	cell total		
(1)		(3)	(4)	(5)	(9)	(10)	(11)		
11 - 18	M	113	139	252	211	82	293		
	F	105	128	233	196	83	279		
	ALL	218	267	485	407	165	572		
		Aggregate Membership							
Age in year	Sex	BRAC members	Non-members		All				
			TGs	NTGs					
(1)		(2)	(3)	(4)	(5)				
11 - 18	M	182	426	487	1095				
	F	162	393	450	1005				
	ALL	344	819	937	2100				

Table 5.2.2: Mean Weight (kg) of adolescent (11-18 Yrs) according to sex, membership status and intervention cell

Sex	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	29.5 (± 7.1)	28.6 (± 8.6)	33.1 (± 8.0)	30.8	NS	< .01	27.3 (± 5.4)	30.8 (± 7.6)	30.5 (± 7.3)	29.8	< .05	< .01
F	29.7 (± 7.8)	31.8 (± 6.9)	32.2 (± 8.5)	30.9	NS	NS	29.1 (± 7.5)	30.9 (± 8.4)	33.4 (± 8.1)	31.8	NS	< .01
All	29.6 (± 7.4)	30.0 (± 7.9)	32.7 (± 8.2)	30.9	NS	< .05	28.3 (± 6.6)	30.9 (± 8.0)	32.0 (± 7.9)	30.9	< .05	< .000

Sex	ICDDR,B-only cell				Comparison cell			
	TGs	NTGs	Cell total	t - test (2) vs (3)	TGs	NTGs	Cell total	t - test (6) vs (7)
M	27.2 (± 6.9)	31.5 (± 8.8)	29.7	< .01	27.6 (± 7.2)	30.3 (± 7.4)	28.4	< .05
F	28.3 (± 7.3)	32.3 (± 6.9)	30.7	< .000	29.2 (± 7.3)	32.3 (± 7.7)	30.1	< .01
All	27.8 (± 7.1)	31.9 (± 7.8)	30.3	< .000	28.5 (± 7.3)	31.4 (± 7.6)	29.4	< .000

Sex	Aggregate Membership Comparison					
	BRAC members	Non-members		All	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
M	28.6 (± 6.6)	28.1 (± 7.4)	31.3 (± 7.9)	29.6	NS	< .01
F	29.5 (± 7.6)	29.4 (± 7.5)	32.6 (± 7.7)	30.9		< .000
All	29.1 (± 7.1)	28.8 (± 7.4)	32.0 (± 7.9)	30.3		< .000

Table 5.2.3: Mean Height (cm) of adolescent according to sex, membership status and intervention cells.

		BRAC + ICDDR,B cell						BRAC-only cell					
Sex	BRAC members	Non-members		Cell total	t-test		BRAC members	Non-members		Cell total	t-test		
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
M	139.7 (± 12.2)	133.1 (± 21.4)	144.7 (± 13.4)	140.8	< .05	< .01	136.6 (± 10.2)	140.2 (± 12.1)	141.1 (± 12.1)	139.9	NS	< .01	
F	138.3 (± 12.5)	140.9 (± 9.7)	141.8 (± 9.8)	139.8	NS	NS	137.0 (± 10.5)	138.9 (± 10.2)	142.0 (± 9.9)	140.3		< .01	
All	138.9 (± 12.3)	136.6 (± 17.5)	143.2 (± 11.9)	140.3	NS	< .001	136.8 (± 10.3)	139.5 (± 11.1)	141.6 (± 11.1)	140.1		< .000	
		ICDDR,B-only cell						Comparison cell					
Sex	TGs	NTGs	Cell total	t-test		TGs	NTGs	Cell total	t-test				
				(2) vs (3)	(2) vs (3)				(6) vs (7)	(6) vs (7)			
(1)	(2)	(3)	(4)	(5)	(5)	(6)	(7)	(8)	(9)	(9)			
M	136.0 (± 11.0)	142.6 (± 13.1)	139.8	< .000	< .000	135.9 (± 12.6)	142.1 (± 11.5)	137.7	< .000	< .000			
F	136.6 (± 10.7)	141.9 (± 9.4)	139.6	< .000	< .000	136.9 (± 11.0)	141.0 (± 10.1)	138.2	< .01	< .01			
All	136.3 (± 10.8)	142.2 (± 11.2)	139.7	< .000	< .000	136.4 (± 11.8)	141.5 (± 10.7)	137.9	< .000	< .000			
Aggregate Membership Comparison													
Age In year	Sex	BRAC members	Non-members		All	t-test							
(1)	(2)		TGs	NTGs		(5)	(2) vs (3)	(2) vs (4)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)							
M	138.5 (± 11.5)	136.4 (± 13.2)	141.8 (± 15.2)	139.5	NS	< .001							
F	137.8 (± 11.8)	137.4 (± 10.7)	141.1 (± 13.0)	139.4		< .000							
All	138.2 (± 11.7)	136.9 (± 12.0)	142.1 (± 11.2)	139.4		< .000							

Table 5.2.4: Mean MUAC (mm) of adolescents according to sex, membership status and intervention cells.

		BRAC + ICDDR,B cell					BRAC-only cell					
Sex	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	181.1 (± 18.7)	179.1 (± 21.4)	194.0 (± 23.7)	185.9	NS	< .01	175.9 (± 18.2)	187.9 (± 23.4)	183.2 (± 21.7)	182.5	< .01	NS
F	185.2 (± 24.3)	192.2 (± 22.0)	197.0 (± 27.3)	190.7		< .05	185.0 (± 30.5)	193.1 (± 26.0)	199.3 (± 25.7)	194.6	NS	< .01
All	183.3 (± 21.8)	184.9 (± 22.4)	195.4 (± 25.5)	188.3		< .000	180.6 (± 25.7)	190.9 (24.9)	191.8 (± 25.1)	189.0	< .01	< .001
		ICDDR,B-only cell				Comparison cell						
Sex	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(5)				(6) vs (7)	(9)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
M	179.3 (± 20.7)	189.8 (± 26.2)	185.5	< .05	176.8 (± 19.4)	182.7 (± 21.7)	178.7	NS				
F	184.8 (± 22.2)	194.2 (± 21.6)	190.3	< .01	185.0 (± 23.8)	192.8 (26.3)	187.3	< .05				
All	182.3 (± 21.7)	192.2 (± 23.8)	188.1	< .000	181.4 (± 22.3)	188.2 (24.7)	187.3	< .01				
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	179.0 (± 18.6)	179.4 (± 20.8)	187.1 (± 23.7)	182.9	NS	< .01						
F	185.1 (± 26.8)	186.8 (± 23.8)	196.1 (± 24.9)	190.7		< .000						
All	182.2 (± 23.4)	183.4 (± 22.8)	191.8 (± 24.8)	187.1		< .000						

Table 5.2.5: Mean BMI of adolescents according to sex, membership status and intervention cells.

Sex	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	16.1 (± 7.2)	14.6 (± 2.6)	19.5 (± 10.4)	17.3	NS	< .05	15.1 (± 5.2)	16.2 (± 4.5)	16.7 (± 7.6)	16.2	NS	NS
F	18.6 (± 9.4)	15.8 (± 1.6)	18.6 (± 9.3)	18.3		NS	16.0 (± 5.1)	16.5 (± 5.8)	17.1 (± 6.2)	16.7		
All	17.5 (± 8.5)	15.2 (± 2.3)	19.1 (± 9.9)	17.8		NS	15.5 (± 5.1)	16.4 (± 5.2)	16.9 (± 6.9)	16.5		
Sex	ICDDR,B-only cell				Comparison cell							
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test				
									(2) vs (3)	(6) vs (7)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
M	16.0 (± 7.8)	14.9 (± 1.9)	15.4	NS	15.3 (± 5.1)	14.9 (± 1.5)	15.1	NS				
F	15.0 (± 2.0)	15.9 (± 3.7)	15.5		15.8 (± 5.7)	16.6 (± 5.4)	16.1					
All	15.4 (± 5.5)	15.5 (± 3.0)	15.5		15.6 (± 5.5)	15.8 (± 4.2)	15.7					
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)					
M	15.7 (± 6.5)	15.5 (± 5.6)	16.5 (± 6.8)	16.0	NS	NS						
F	17.6 (± 8.2)	15.7 (± 4.9)	16.9 (± 6.2)	16.6								
All	16.7 (± 7.5)	15.6 (± 5.2)	16.7 (± 6.5)	16.3								

Table 5.3.1 : Distribution of adults (18-60) by age, sex, membership status and intervention cell.

		BRAC + ICDDR,B cell				BRAC-only cell			
Age in year	Sex	BRAC members	Non-members		Cell total	BRAC members	Non-members		cell total
			TGs	NTGs			TGs	NTGs	
(1)		(2)	(3)	(4)	(5)	(6)	(9)	(10)	(11)
18 - 45	M	197	103	222	522	110	141	310	561
	F	253	98	234	585	148	141	365	654
	ALL	450	201	456	1107	258	282	675	1215
45 - 60	M	75	23	65	163	37	44	128	209
	F	57	27	76	160	37	55	134	226
	ALL	132	50	141	323	74	99	262	435
		ICDDR,B-only cell			Comparison cell				
Age in year	Sex	TGs	NTGs	cell total	TGs	NTGs	cell total		
(1)		(3)	(4)	(5)	(9)	(10)	(11)		
18 - 45	M	213	294	507	334	154	488		
	F	250	317	567	394	171	565		
	ALL	463	611	1074	728	325	1053		
45 - 60	M	54	87	151	103	56	159		
	F	68	101	169	106	72	178		
	ALL	122	198	320	209	128	337		
Aggregate Membership									
Age in year	Sex	BRAC members		Non-members		All			
(1)		(2)		(3)	(4)	(5)			
18 - 45	M	307		791		980		2078	
	F	401		883		1087		2371	
	ALL	708		1674		2067		4449	
45 - 60	M	112		224		346		682	
	F	94		256		383		733	
	ALL	206		480		729		1415	

Table 5.3.2(a): Mean Weight (kg) of young adults (18-45) according to age, sex, membership status and intervention cells.

Sex	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	46.8 (± 7.3)	46.8 (± 6.3)	49.8 (± 6.6)	48.3		NS	48.2 (± 7.7)	45.8 (± 7.0)	49.3 (± 7.2)	48.3		
F	41.6 (± 5.1)	40.9 (± 5.5)	43.0 (± 7.9)	42.0	NS	< .01	41.2 (± 6.4)	40.6 (± 5.5)	42.2 (± 6.2)	41.6	NS	NS
All	42.4 (± 5.8)	42.0 (± 6.1)	44.7 (± 8.1)	43.3		< .001	42.5 (± 7.2)	41.7 (± 6.2)	43.7 (± 7.0)	43.0		
Sex	ICDDR,B-only cell				Comparison cell							
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test				
									(2) vs (3)	(6) vs (7)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
M	46.3 (± 5.4)	46.5 (± 7.5)	46.4	NS	45.6 (± 6.6)	49.1 (± 4.6)	46.9	< .01				
F	40.5 (± 5.4)	42.7 (± 7.1)	41.7	< .000	40.1 (± 5.2)	40.8 (± 6.6)	40.3	NS				
ALL	41.5 (± 5.8)	43.5 (± 7.3)	42.6	< .000	41.0 (± 5.9)	42.8 (± 7.1)	41.5	< .01				
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	47.4 (± 7.5)	46.0 (± 6.3)	48.6 (± 6.9)	47.5	NS	NS						
F	41.4 (± 5.7)	40.4 (± 5.3)	42.4 (± 6.9)	41.4	< .01	< .01						
All	42.5 (± 6.4)	41.4 (± 5.9)	43.7 (± 7.4)	42.60	< .01	< .01						

Table 5.3.3(a): Mean Height (cm) of young adults (18-45) according to age, sex, membership status and intervention cells

Sex	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	160.5 (± 7.1)	159.5 (± 10.6)	162.7 (± 8.0)	161.3		< .05	160.2 (± 6.2)	140.2 (± 12.1)	161.1 (± 11.1)	160.9		
F	149.6 (± 9.8)	148.5 (± 9.0)	150.2 (± 7.8)	149.6	NS	NS	150.2 (± 6.1)	138.9 (± 10.2)	150.5 (± 7.0)	150.3	NS	NS
ALL	152.5 (± 10.4)	152.2 (± 10.9)	154.4 (± 9.9)	153.2		< .01	152.6 (± 7.5)	153.8 (± 8.5)	154.2 (± 10.0)	153.8		

Sex	ICDDR,B-only cell				Comparison cell					
	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test	
				(2) vs (3)	(2) vs (4)				(6) vs (7)	(6) vs (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
M	161.4 (± 6.6)	159.5 (± 17.4)	160.3		158.8 (± 11.8)	161.0 (± 14.0)	160.0			
F	149.6 (± 6.0)	150.5 (± 6.3)	150.1	NS	148.7 (± 7.8)	148.4 (± 14.4)	148.6	NS		
All	153.3 (± 8.2)	153.4 (± 11.2)	153.3		150.0 (± 9.0)	152.0 (± 15.6)	152.2			

Sex	Aggregate Membership Comparison					
	BRAC members	Non-members		All	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
M	160.4 (± 6.8)	160.3 (± 7.6)	161.0 (± 13.1)	160.7		NS
F	149.4 (± 8.6)	149.2 (± 7.2)	150.1 (± 7.9)	149.7	NS	NS
All	152.5 (± 9.4)	152.1 (± 9.0)	153.7 (± 11.2)	153.1		< .05

Table S.3.4(a): Mean MUAC (mm) of young adults (18-45) according to age, sex, membership status and intervention cell

Sex	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	238.6 (± 23.8)	240.6 (± 24.9)	194.0 (± 23.7)	235.3			238.1 (± 24.4)	235.2 (± 18.3)	237.6 (± 26.8)	237.1	NS	
F	228.2 (19.4)	227.3 (± 21.2)	197.0 (± 27.3)	230.1	NS	NS	226.6 (± 21.3)	221.1 (± 18.1)	228.1 (± 23.9)	226.3	< .05	NS
All	229.5 (± 20.2)	229.5 (± 22.2)	195.4 (± 25.4)	230.8			228.3 (± 22.0)	223.9 (± 19.0)	230.0 (± 24.7)	228.3	NS	
Sex	ICDDR,B-only cell				Comparison cell							
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test				
									(2) vs (3)	(6) vs (7)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
M	179.3 (± 20.7)	238.1 (± 22.8)	238.8	NS	231.7 (± 17.8)	235.6 (± 20.1)	233.1	NS				
F	184.8 (± 22.2)	230.6 (± 24.2)	227.9	< .01	219.1 (± 19.6)	225.8 (± 21.8)	220.9	< .01				
All	182.3 (± 21.7)	232.2 (± 24.0)	230.1	< .01	221.3 (± 19.9)	228.0 (± 21.7)	223.2	< .000				
Sex	Aggregate Membership Comparison											
	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	238.4 (± 23.8)	235.7 (± 19.4)	236.3 (± 24.9)	236.3	NS							
F	227.6 (± 20.2)	222.0 (± 20.0)	229.6 (± 24.7)	226.3	< .000	NS						
All	229.0 (± 21.0)	224.4 (± 20.6)	231.0 (± 24.9)	228.1	< .000							

Table 5.3.5(a): Mean of BMI of young adults (18-45) according to age, sex, membership status and intervention cells.

Sex	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	23.0 (± 9.2)	20.9 (± 8.7)	21.6 (± 7.5)	21.9	NS	NS	18.3 (± 2.1)	18.5 (± 4.9)	20.0 (± 7.9)	19.4	NS	NS
F	19.2 (± 5.1)	19.7 (± 6.7)	20.4 (± 6.6)	19.8		< .05	18.8 (± 3.9)	18.8 (± 6.5)	18.8 (± 3.2)	18.8		
All	19.7 (± 6.0)	19.9 (± 7.0)	20.7 (± 6.8)	20.1		NS	18.7 (± 3.7)	18.7 (± 6.3)	19.0 (± 4.4)	18.9		
Sex	ICDDR,B-only cell					Comparison cell						
	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(6) vs (7)				(6)	(7)	(8)	(9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
M	20.9 (± 8.0)	18.2 (± 4.7)	19.2	< .05	19.2 (± 6.0)	18.2 (± 1.4)	18.8	NS				
F	18.1 (± 3.4)	19.2 (± 4.4)	18.7	< .01	19.2 (± 5.6)	19.7 (± 6.8)	19.3					
All	18.5 (± 4.4)	19.0 (± 4.2)	18.8	NS	19.2 (± 5.6)	19.4 (± 6.1)	19.2					
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)					
M	21.2 (± 7.7)	19.7 (± 6.8)	19.6 (± 6.4)	19.9	NS	NS						
F	19.0 (± 4.7)	18.9 (± 5.4)	19.4 (± 5.0)	19.1								
All	19.3 (± 5.2)	19.0 (± 5.6)	19.5 (± 5.3)	19.3								

Table 5.3.2(b): Mean Weight (kg) of adult (45-60) population according to age, sex, membership status and intervention cells

		BRAC + ICDDR,B cell					BRAC-only cell					
Sex	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	42.9 (± 9.6)	39.0 (± 6.2)	49.5 (± 9.8)	45.5		< .05	43.7 (± 5.2)	40.2 (± 4.6)	47.6 (± 8.4)	45.3		
F	37.5 (± 6.2)	36.1 (± 4.8)	39.3 (± 6.5)	38.1	NS	NS	38.5 (± 6.7)	37.2 (± 6.0)	39.1 (± 7.1)	38.6	NS	NS
All	39.0 (± 7.6)	36.7 (± 5.2)	42.0 (± 8.7)	40.1		< .05	40.0 (± 6.7)	37.7 (± 5.8)	40.9 (± 8.1)	40.0		
		ICDDR,B-only cell					Comparison cell					
Sex	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(6) vs (7)							
(1)	(2)	(3)	(4)	(5)	(9)	(6)	(7)	(8)	(9)			
M	43.6 (± 5.5)	49.3 (± 8.9)	47.4	< .05		42.1 (± 7.0)	46.8 (± 5.1)	43.9	< .005			
F	38.9 (± 6.3)	41.2 (± 8.5)	40.3	NS		36.1 (± 5.2)	36.7 (± 4.5)	36.3	NS			
All	40.0 (± 6.4)	43.3 (± 9.3)	42.1	< .01		37.4 (± 6.1)	38.7 (± 6.1)	37.3	NS			
		Aggregate Membership Comparison										
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	43.2 (± 7.9)	41.8 (± 6.1)	48.5 (± 8.5)	45.6		< .01						
F	37.9 (± 6.4)	37.1 (± 5.7)	39.3 (± 7.2)	38.4	NS	NS						
All	39.4 (± 7.3)	38.1 (± 6.1)	41.4 (± 8.4)	40.1		NS						

Table 5.3.3(b): Mean Height (cm) of adult (45-60) population according to age, sex, membership status and intervention cell

		BRAC + ICDDR,B cell					BRAC-only cell					
Sex	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	157.9 (± 12.1)	156.2 (± 6.4)	160.9 (± 5.7)	158.9	NS	NS	160.3 (± 5.8)	156.1 (± 10.3)	159.7 (± 6.7)	158.7	NS	NS
F	148.0 (± 4.7)	147.9 (± 4.8)	148.0 (± 7.5)	148.0			144.0 (± 20.8)	145.2 (± 15.6)	146.9 (± 10.9)	146.0		
All	151.8 (± 9.7)	150.7 (± 6.6)	152.3 (± 9.2)	151.9			149.2 (± 19.0)	148.7 (± 14.4)	151.1 (± 11.3)	150.2		
		ICDDR,B-only cell					Comparison cell					
Sex	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(2) vs (4)				(6) vs (7)	(6) vs (7)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
M	158.2 (± 5.1)	158.7 (± 13.2)	158.5	NS	156.9 (± 8.3)	160.8 (± 6.0)	158.4	NS	< .05			
F	148.3 (± 6.7)	146.4 (± 11.7)	147.2		147.4 (± 5.0)	146.4 (± 6.2)	147.0		NS			
All	151.7 (± 13.7)	150.8 (± 13.6)	151.2		150.5 (± 7.7)	150.7 (± 9.0)	150.6		NS			
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	158.6 (± 10.7)	157.0 (± 7.8)	159.7 (± 8.8)	158.6	NS	NS						
F	146.5 (± 13.0)	147.2 (± 8.9)	146.9 (± 9.8)	147.0								
All	150.9 (± 13.5)	150.5 (± 9.7)	151.2 (± 11.2)	150.9								

Table 5.3.4(b): Mean MUAC (mm) of adult (45-60) population according to age, sex, membership status and intervention cell

Sex	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	226.8 (± 26.2)	228.0 (± 16.1)	241.2 (± 24.8)	232.6	NS	NS	229.0 (± 26.9)	220.0 (± 18.6)	237.3 (± 24.6)	232.5	NS	NS
F	216.5 (± 24.9)	222.2 (± 13.5)	222.7 (± 30.6)	220.4			222.5 (± 21.7)	215.6 (± 25.6)	225.0 (± 27.2)	222.5		
All	219.4 (± 25.5)	223.3 (13.9)	226.3 (± 30.3)	232.2			224.1 (± 22.9)	216.3 (± 24.6)	227.4 (± 27.1)	224.4		
Sex	ICDDR,B-only cell				Comparison cell							
	TGs	NTGs	Cell total	t - test	TGs	NTGs	Cell total	t - test				
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
M	236.3 (± 16.9)	252.8 (± 30.3)	247.3	NS	220.1 (± 20.7)	232.8 (± 22.8)	224.9	NS				
F	220.7 (± 27.3)	235.1 (± 30.7)	229.5	NS	208.0 (± 22.6)	210.0 (± 27.7)	208.8					
All	224.1 (± 26.1)	239.8 (± 31.4)	233.9	< .000	210.6 (± 22.7)	214.4 (± 28.2)	212.1					
Sex	Aggregate Membership Comparison											
	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	227.6 (± 26.0)	226.0 (± 19.7)	242.9 (± 27.3)	235.3	NS	< .01						
F	218.9 (± 23.7)	214.8 (± 24.5)	224.8 (± 29.9)	220.7		NS						
All	221.3 (± 24.5)	217.1 (± 24.0)	228.7 (± 30.3)	223.9		< .05						

Table 5.3.5(b): Mean BMI of adult (45-60) population according to age, sex, membership status and intervention cell

Sex	BRAC + ICDDR,B cell						BRAC-only cell					
	BRAC members	Non members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	18.8 (± 5.7)	16.2 (± 2.2)	20.3 (± 5.8)	19.2	NS	NS	18.0 (± 1.6)	19.7 (± 10.2)	19.5 (± 6.1)	19.3	NS	NS
F	19.6 (± 8.5)	19.1 (± 9.1)	19.7 (± 8.2)	19.6			18.0 (± 2.8)	17.1 (± 2.4)	18.6 (± 4.9)	18.2		
All	19.4 (± 7.9)	18.5 (± 8.2)	19.9 (± 7.7)	19.5			18.0 (± 2.6)	17.5 (± 4.6)	18.8 (± 5.1)	18.4		
Sex	ICDDR,B-only cell				Comparison cell							
	TGs	NTGs	Cell total	t - test (2) vs (3)	TGs	NTGs	Cell total	t - test (6) vs (7)				
									(2)	(3)	(4)	(5)
M	20.9 (± 7.8)	18.2 (± 4.7)	21.2	NS	24.6 (± 12.3)	21.8 (± 10.2)	23.7	NS				
F	18.9 (± 7.4)	19.2 (± 4.1)	19.5		19.6 (± 9.3)	21.4 (± 10.4)	20.4					
All	19.3 (± 7.5)	19.0 (± 4.2)	19.9		20.7 (± 10.1)	21.5 (± 10.3)	21.0					
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)					
M	18.5 (± 4.7)	21.8 (± 10.2)	20.6 (± 7.1)	20.7	NS	NS						
F	19.1 (± 7.0)	18.8 (± 7.8)	19.7 (± 7.3)	19.3								
All	18.9 (± 6.7)	19.4 (± 8.3)	19.9 (± 7.2)	19.6								

Table 5.3.6: Nutritional status of adult women (15-60 Yrs) according to cut of point of BMI by membership status and intervention cell

		BRAC + ICDDR,B cell					BRAC-only cell					
BMI	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
		(3)	(4)		(5)	(6)		(7)	(8)		(9)	(10)
Severe : <16	13.4	15.0	11.2	12.8			10.3	15.5	11.5	12.1		
Moderate : 16-17	10.3	10.0	12.4	11.1			16.2	15.9	11.3	13.3		
Mkd : 17-18.5	21.1	29.3	20.6	22.3	NS	NS	22.1	19.1	20.3	20.4	NS	NS
Normal : >18.5	55.3	45.7	55.9	53.9			51.5	49.5	56.9	54.2		
Total	351	140	340	831			204	220	583	1007		
		ICDDR,B-only cell				Comparison cell						
BMI	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(5)				(6) vs (7)	(9)		
				(5)	(6)				(7)	(8)		
Severe : <16	16.9	11.0	13.5	< .05	14.0	14.8	14.3					
Moderate : 16-17	14.7	10.1	12.1	NS	17.1	13.1	15.8					
Mkd : 17-18.5	22.6	24.3	23.6	NS	23.0	20.1	22.1		NS			
Normal : >18.5	45.8	54.5	50.8	< .05	45.9	51.9	47.9					
Total	354	473	827		573	283	856					
		Aggregate Membership Comparison										
BMI	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
		(3)	(4)		(5)	(6)	(7)					
Severe : <16	12.3	15.2	11.9	13.1	NS							
Moderate : 16-17	12.4	15.5	11.5	13.1	NS							
Mkd : 17-18.5	21.4	22.9	21.4	22.0	NS							
Normal : >18.5	53.9	465	55.2	51.8	< .001							
Total	555	1287	1679	3521		NS						

Table 5.4.1 : Distribution of elderly (60+) by age, sex, membership status and intervention cell.

		BRAC + ICDDR,B cell				BRAC-only cell			
Age in year	Sex	BRAC members (2)	Non-members		Cell total (5)	BRAC members (8)	Non-members		cell total (11)
			TGs (3)	NTGs (4)			TGs (9)	NTGs (10)	
60+	M	26	18	63	107	25	27	79	131
	F	33	16	49	98	28	18	80	126
	ALL	59	34	112	205	53	45	159	257
		ICDDR,B-only cell				Comparison cell			
Age in year	Sex	TGs (3)	NTGs (4)	cell total (5)	TGs (9)	NTGs (10)	cell total (11)		
60+	M	34	71	105	58	40	98		
	F	29	65	94	57	32	89		
	ALL	63	136	199	115	72	187		
		Aggregate Membership							
Age in year	Sex	BRAC members (2)	Non-members		All (5)				
			TGs (3)	NTGs (4)					
60+	M	51	137	253	441				
	F	61	120	226	407				
	ALL	112	257	479	848				

Table 5.4.2: Mean weight (kg) of elderly population according to sex, membership status and intervention cell

		BRAC + ICDDR,B cell					BRAC-only cell					
Sex	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	43.0 (± 3.3)	41.0 (± 14.1)	40.2 (± 9.2)	40.8	NS	NS	43.5 (± 5.1)	42.0 (± 7.6)	42.9 (± 6.8)	42.8	NS	NS
F	35.4 (± 6.9)	37.5 (± 10.2)	38.2 (± 8.3)	37.3			32.7 (± 6.4)	36.3 (± 2.9)	36.5 (± 6.8)	35.8		
All	37.6 (± 6.9)	38.0 (± 10.3)	39.1 (± 8.7)	38.6			35.6 (± 7.7)	38.6 (± 11.2)	39.1 (± 7.5)	38.4		
		ICDDR,B-only cell					Comparison cell					
Sex	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(6) vs (7)							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
M	41.5 (± 6.6)	41.8 (± 6.9)	41.7	NS	37.4 (± 13.4)	44.2 (± 4.9)	40.6	NS				
F	35.3 (± 6.9)	34.7 (± 5.7)	34.9		34.5 (± 5.2)	34.5 (± 5.1)	34.5					
All	38.1 (± 7.4)	38.0 (± 7.2)	38.0		35.4 (± 8.4)	38.1 (± 6.9)	36.6					
		Aggregate Membership Comparison										
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	43.2 (± 3.8)	40.2 (± 9.6)	42.0 (± 7.4)	41.6	NS	NS						
F	34.4 (± 6.7)	35.5 (± 8.0)	36.0 (± 6.7)	35.6								
All	36.8 (± 7.2)	37.2 (± 8.9)	38.6 (± 7.6)	38.0								

Table 5.4.3: Mean height (cm) of elderly population according to sex, membership status and intervention cells

		BRAC + ICDDR,B cell					BRAC-only cell					
Sex	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	160.9 (± 5.5)	157.6 (± 6.2)	158.0 (± 14.3)	158.6	NS	NS	156.5 (± 5.7)	155.9 (± 9.0)	153.6 (± 19.9)	154.3	NS	NS
F	142.5 (± 12.9)	144.4 (± 7.4)	147.5 (± 5.5)	145.6			144.7 (± 8.8)	142.9 (± 10.4)	144.2 (± 12.4)	144.1		
All	150.6 (± 13.8)	150.6 (± 9.5)	152.7 (± 12.0)	151.8			147.7 (± 9.6)	148.6 (± 11.7)	149.0 (± 17.1)	148.7		
		ICDDR,B-only cell				Comparison cell						
Sex	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(6) vs (7)							
(1)	(2)	(3)	(4)	(5)	(9)							
M	154.4 (± 5.9)	157.3 (± 8.9)	156.3	NS	155.1 (± 15.6)	158.7 (± 5.2)	156.9	NS				
F	146.3 (± 7.3)	145.1 (± 8.7)	145.5		145.4 (± 10.7)	138.5 (± 24.9)	142.9					
All	150.7 (± 7.7)	151.4 (± 10.7)	151.1		150.0 (± 14.0)	152.8 (± 8.6)	151.2					
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	159.6 (± 5.8)	155.2 (± 11.0)	156.6 (± 13.9)	156.4	NS	NS						
F	143.6 (± 10.9)	145.1 (± 9.4)	145.2 (± 9.0)	145.0								
All	149.2 (± 12.1)	150.1 (± 11.4)	151.2 (± 13.1)	150.6								

Table 5.4.4: Mean MUAC (mm) of elderly population according to sex, membership status and intervention cells

		BRAC + ICDDR,B cell					BRAC-only cell					
Sex	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	225.7 (± 31.7)	206.0 (± 45.3)	217.9 (± 24.3)	218.7	NS	NS	230.7 (± 11.0)	217.0 (± 19.3)	223.7 (± 21.7)	222.7	NS	NS
F	206.3 (± 24.9)	215.1 (± 24.9)	219.0 (± 30.1)	214.6			194.4 (± 185.5)	203.5 (± 43.2)	205.9 (± 32.0)	203.3		
All	211.5 (± 27.5)	213.9 (± 26.2)	218.5 (± 27.7)	215.9			202.1 (± 22.8)	208.9 (± 35.5)	212.8 (± 29.5)	210.4		
		ICDDR,B-only cell					Comparison cell					
Sex	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(6) vs (7)				(8) vs (9)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
M	217.7 (± 16.9)	222.4 (± 33.3)	220.9	NS	205.0 (± 36.5)	220.5 (± 15.6)	212.4	NS				
F	208.6 (± 24.2)	213.7 (± 23.3)	212.1		201.4 (± 27.6)	205.9 (± 22.2)	203.0					
All	212.9 (± 22.6)	217.7 (± 28.6)	216.2		202.5 (± 30.2)	211.8 (± 20.8)	206.3					
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	227.3 (± 25.8)	212.9 (± 27.2)	221.5 (± 26.8)	219.4	NS	NS						
F	201.4 (± 22.9)	205.9 (± 29.1)	211.6 (± 27.6)	208.5								
All	207.9 (± 25.9)	208.3 (± 28.5)	215.8 (± 27.6)	212.7								

Table S.4.5: Mean BMI of elderly population according to sex, membership status and intervention cells

		BRAC + ICDDR,B cell					BRAC-only cell					
Sex	BRAC members	Non-members		Cell total	t - test		BRAC members	Non-members		Cell total	t - test	
		TGs	NTGs		(2) vs (3)	(2) vs (4)		TGs	NTGs		(8) vs (9)	(8) vs (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
M	19.6 (± 7.4)	-	20.0 (± 8.7)	19.9	NS	NS	18.2 (± .00)	17.3 (± 1.8)	21.7 (± 9.3)	20.7	NS	NS
F	21.5 (± 12.7)	21.3 (± 11.2)	18.7 (± 6.1)	19.9			23.7 (± 14.2)	19.9 (± 9.4)	25.5 (± 12.4)	23.8		
All	20.9 (± 11.1)	21.3 (± 11.2)	19.3 (± 7.3)	19.9			23.2 (± 13.7)	19.2 (± 8.1)	24.0 (± 11.4)	22.8		
		ICDDR,B-only cell				Comparison cell						
Sex	TGs	NTGs	Cell total	t - test		TGs	NTGs	Cell total	t - test			
				(2) vs (3)	(6) vs (7)							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
M	20.2 (± 8.4)	20.1 (± 9.3)	20.2	NS	22.5 (± 10.3)	26.9 (± 11.8)	24.8	NS				
F	19.3 (± 10.2)	18.4 (± 8.1)	18.7		23.1 (± 12.5)	20.8 (± 10.6)	22.3					
All	19.7 (± 9.3)	19.1 (± 8.7)	19.3		22.9 (± 11.7)	23.7 (± 11.4)	23.3					
Aggregate Membership Comparison												
Sex	BRAC members	Non-members		All	t - test							
		TGs	NTGs		(2) vs (3)	(2) vs (4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)						
M	19.4 (± 6.9)	20.6 (± 8.6)	21.5 (± 9.8)	21.2	NS	NS						
F	22.5 (± 13.2)	21.2 (± 11.1)	20.7 (± 9.8)	21.1								
All	21.8 (± 12.0)	21.0 (± 10.3)	21.1 (± 9.8)	21.1								