

Annex: ATT Estimates

1. Consumption, food security and poverty

Consumption

Table 1.1: Impacts on Consumption Indicators (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
AE hhld expenditure p month constant Greater Accra Aug-17 prices	10.056*** (3.43)	112.814	120.748	82.828	81.107
AE food expenditure p month constant Greater Accra Aug-17 prices	7.882*** (2.77)	83.879	89.802	61.415	60.301
AE non-food expenditure p month constant Greater Accra Aug-17 prices	2.174 (1.49)	28.935	30.946	21.413	20.806
Nominal AE household expenditure per month	8.074*** (2.92)	86.761	93.508	76.170	74.906
Nominal AE food expenditure per month	6.460*** (2.35)	66.598	71.928	55.688	55.120
Nominal AE non-food expenditure per month	1.615 (1.19)	20.163	21.580	20.482	19.786
<i>N</i>	4,566	1,011	1,098	1,013	1,087

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance; bottom and top 1% for each wave excluded

Table 1.2: Impacts on Food Consumption groups (in 2017 real GHS) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Real AE food expenditure per month on cereals	4.344*** (1.56)	43.775	47.144	28.371	28.124
Real AE food expenditure per month on meats	0.698 (0.58)	6.387	6.227	6.434	5.845
Real AE food expenditure per month on dairy products, including eggs	0.308* (0.16)	0.692	0.837	0.499	0.402
Real AE food expenditure per month on oil and fats	0.586** (0.27)	2.691	2.994	2.461	2.298
Real AE food expenditure per month on fruits	-0.000 (0.25)	0.561	0.545	2.247	2.222
Real AE food expenditure per	1.049* (0.25)	12.085	13.193	9.182	9.148

month on vegetables	(0.60)				
Real AE food expenditure per month on spices and condiments	0.675*	7.806	8.671	4.985	5.206
	(0.36)				
Real AE food expenditure per month on starchy foods	-0.406	4.412	4.605	1.344	1.653
	(0.51)				
Real AE food expenditure per month on pulses and nuts	0.495	4.913	5.047	5.292	4.847
	(0.53)				
Real AE food expenditure per month on non-alcoholic beverages	0.112	0.394	0.407	0.503	0.491
	(0.17)				
Real AE food expenditure per month on food eaten outside the home	0.020	0.162	0.132	0.096	0.065
	(0.09)				
<i>N</i>	4,567	1,012	1,097	1,014	1,087

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance; bottom and top 1% for each wave excluded

Table 1.3: Impacts on Broad Consumption groups (in 2017 real GHS) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
AE food expenditure per month constant Greater Accra Aug-17 prices	7.882***	83.879	89.802	61.415	60.301
	(2.77)				
Real AE expenditure per month on alcohol & tobacco	0.116	0.427	0.396	0.594	0.473
	(0.21)				
Real AE expenditure per month on furnishing & housing services	0.948***	6.221	6.803	3.963	3.736
	(0.34)				
Real AE expenditure per month on housing	0.451*	2.060	2.535	1.703	1.726
	(0.25)				
Real AE expenditure per month on clothes & footwear	1.156***	3.621	4.094	4.918	4.275
	(0.27)				
Real AE expenditure per month on medicines and medical supplies	-1.028	5.923	6.087	2.920	3.617
	(1.02)				
Real AE expenditure per month on education	0.154	3.779	3.404	4.536	3.925
	(0.37)				
Real AE expenditure per month on transportation	-0.686*	1.733	1.568	0.803	1.180
	(0.35)				
Real AE expenditure per month on communication	0.372	1.262	1.749	0.369	0.524
	(0.26)				
Real AE expenditure per month on recreation & culture	0.243	2.135	2.366	0.314	0.296

Real AE expenditure per month on miscellaneous goods & services	(0.48) 0.448**	1.774	1.943	1.293	1.054
<i>N</i>	(0.21) 4,567	1,012	1,097	1,014	1,087

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance; bottom and top 1% for each wave excluded

Table 1.4: Impacts on Consumption shares (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
Consumption share of food consumption	-0.002 (0.01)	0.776	0.776	0.744	0.750
Consumption share of alcohol & tobacco	0.001 (0.00)	0.003	0.003	0.006	0.005
Consumption share of furnishing & housing services	0.002 (0.00)	0.055	0.055	0.053	0.051
Consumption share of housing	0.001 (0.00)	0.016	0.019	0.020	0.021
Consumption share of clothes & footwear	0.010*** (0.00)	0.028	0.031	0.060	0.052
Consumption share of medicines and medical supplies	-0.013*** (0.00)	0.042	0.040	0.026	0.033
Consumption share of education	0.004 (0.00)	0.033	0.029	0.063	0.056
Consumption share of transportation	-0.007*** (0.00)	0.010	0.007	0.007	0.010
Consumption share of communication	0.001 (0.00)	0.009	0.012	0.004	0.006
Consumption share of recreation & culture	0.000 (0.00)	0.014	0.015	0.003	0.003
Consumption share of miscellaneous goods & services	0.003* (0.00)	0.014	0.015	0.014	0.012
<i>N</i>	4,567	1,012	1,097	1,014	1,087

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 1.5: Impacts on Food Consumption shares (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
Food consumption share of cereals	0.004 (0.01)	0.529	0.534	0.475	0.479
Food consumption share of meats	0.004 (0.00)	0.071	0.066	0.098	0.091
Food consumption share of dairy	0.001	0.006	0.006	0.006	0.006

products, including eggs	(0.00)				
Food consumption share of oil and fats	0.006**	0.028	0.031	0.037	0.035
Food consumption share of fruits	(0.00)	0.007	0.005	0.037	0.037
Food consumption share of vegetables	(0.00)	-0.008	0.157	0.155	0.154
Food consumption share of spices and condiments	(0.01)	-0.006	0.101	0.102	0.086
Food consumption share of starchy foods	(0.00)	-0.008*	0.046	0.044	0.021
Food consumption share of pulses and nuts	(0.00)	0.006	0.050	0.050	0.078
Food consumption share of non-alcoholic beverages	(0.00)	0.002	0.003	0.003	0.007
Food consumption share of food eaten outside the home	(0.00)	0.000	0.002	0.001	0.001
	(0.00)				
<i>N</i>	4,567	1,012	1,097	1,014	1,087

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Food security

Table 1.6: Impacts on Food security Indicators (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
Number of meals per day	0.108*** (0.04)	2.624	2.639	2.737	2.649
1 meal per day	-0.015* (0.01)	0.023	0.018	0.005	0.012
2 meals per day	-0.070** (0.03)	0.377	0.375	0.311	0.379
3 meals per day	0.076** (0.03)	0.552	0.558	0.626	0.558
4 or more meals per day	0.009 (0.01)	0.048	0.049	0.058	0.051
Never worry about food (last 4 weeks)	0.002 (0.02)	0.113	0.124	0.061	0.065
No hhld member went without food (last 4 weeks)	0.038 (0.04)	0.567	0.588	0.674	0.637
Children under 5 never no nutritious food (last 4 weeks)	0.025 (0.02)	0.091	0.110	0.116	0.109
Children under 5 never given not enough food (last 4 weeks)	-0.017 (0.03)	0.249	0.250	0.255	0.245

<i>N</i>	4,544	1,003	1,073	1,016	1,093
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Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 1.7: Impacts on Food security Indicators (endline indicators only)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Never not able to eat the kinds of foods you preferred because of lack of resources	-0.005 (0.02)	0.034	0.033
Never have to eat a limited variety of foods due to a lack of resources	-0.049 (0.04)	0.106	0.113
Never have to eat some foods that you really did not want to eat because of a lack of resources	-0.014 (0.02)	0.047	0.048
Never have to eat a smaller meal than you felt you needed because there was not enough food	-0.021 (0.05)	0.194	0.198
Never have to eat fewer meals in a day because there was not enough food	-0.013 (0.06)	0.210	0.211
Never no food to eat of any kind in your household because of lack of resources	0.017 (0.04)	0.358	0.343
Never go to sleep at night hungry because there was not enough food	0.022 (0.04)	0.564	0.525
Household Food Insecurity Access Scale (HFIAS) Score	-0.639 (0.65)	12.417	13.128
<i>N</i>		1,031	1,117

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 1.8: Impacts on having enough food by month (endline indicators only)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Not enough food - January	0.064 (0.05)	0.499	0.508
Not enough food - February	0.029 (0.06)	0.548	0.577
Not enough food - March	-0.004 (0.05)	0.310	0.344
Not enough food - April	-0.010 (0.03)	0.075	0.076
Not enough food - May	-0.001 (0.02)	0.031	0.033
Not enough food - June	-0.025 (0.02)	0.025	0.042
Not enough food - July	-0.023 (0.02)	0.034	0.059
Not enough food - August	-0.045**	0.059	0.087

Not enough food - September	(0.02) -0.004	0.120	0.133
Not enough food - October	(0.03) 0.037	0.264	0.243
Not enough food - November	(0.05) 0.004	0.367	0.362
Not enough food - December	(0.05) -0.039	0.469	0.492
<i>N</i>		1,031	1,117

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Poverty

Table 1.9: Impacts on Poverty indicators (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Poverty headcount	-0.025** (0.01)	0.932	0.909	0.990	0.991
Poverty gap	-6.502** (3.01)	109.004	104.891	135.726	137.318
Poverty gap index	-0.030** (0.01)	0.510	0.490	0.635	0.642
Poverty gap index squared	-0.029** (0.01)	0.321	0.307	0.435	0.447
Extreme poverty headcount	-0.025 (0.02)	0.703	0.683	0.899	0.899
Extreme poverty gap	-4.181* (2.12)	37.532	35.405	54.250	55.884
Extreme poverty gap index	-0.032* (0.02)	0.291	0.275	0.421	0.433
Extreme poverty gap index squared	-0.027* (0.01)	0.152	0.142	0.234	0.248
<i>N</i>	4,567	1,012	1,097	1,014	1,087

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance; bottom and top 1% for each wave excluded; estimates weighted by household size

2. Household economic activity

Table 2.1: Impacts on time use for household chores - Female Children (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
Spent time collecting water yesterday	-0.007	0.566	0.562	0.609	0.607
	(0.01)				
<i>N</i>	20,948	751	646	822	721
Hours spent collecting water yesterday	0.086	1.631	1.731	1.393	1.345
	(0.08)				
<i>N</i>	8,026	425	364	501	437
Spent time collecting firewood yesterday	-0.008	0.202	0.226	0.128	0.144
	(0.01)				
<i>N</i>	20,948	751	646	822	721
Hours spent collecting firewood yesterday	0.005	2.211	2.210	2.108	2.169
	(0.14)				
<i>N</i>	4,146	151	146	106	103
Spent time taking care of children, cooking or cleaning yesterday	0.001	0.612	0.598	0.651	0.698
	(0.02)				
<i>N</i>	20,948	751	646	822	721
Hours spent taking care of children, cooking or cleaning yesterday	-0.094	3.358	3.193	2.925	3.019
	(0.18)				
<i>N</i>	10,630	457	386	537	503
Performed any household chores at all yesterday	0.011	0.743	0.749	0.782	0.818
	(0.02)				
<i>N</i>	20,948	751	646	822	721
Hours spent on household chores yesterday	-0.153	4.606	4.514	3.866	3.952
	(0.21)				
<i>N</i>	11,973	556	484	644	590

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.2: Impacts on time use for household chores by age-sex groups (ATT)

Dependent Variable	Female Children (7-14) (1)	Male Children (7-14) (2)	Female Adults (15-59) (3)	Male Adults (15-59) (4)	Female Elderly (60+) (5)
Spent time collecting water yesterday	0.026	-0.040	-0.004	-0.004	-0.055
<i>N</i>	3,252	3,588	6,937	5,611	884
Hours spent collecting water yesterday	0.174*	-0.073	0.066	-0.025	-0.104
<i>N</i>	3,252	3,588	6,937	5,611	884
Spent time collecting firewood yesterday	0.013	-0.027	-0.005	-0.007	-0.029
<i>N</i>	3,252	3,588	6,937	5,611	884
Hours spent collecting firewood yesterday	0.039	-0.090*	0.024	-0.018	-0.099
<i>N</i>	3,252	3,588	6,937	5,611	884
Spent time taking care of children, cooking or cleaning yesterday	-0.069*	-0.043	-0.007	0.060**	0.027
<i>N</i>	3,252	3,588	6,937	5,611	884
Hours spent taking care of children, cooking or cleaning yesterday	-0.479*	-0.293**	0.040	0.225**	0.185
<i>N</i>	3,252	3,588	6,937	5,611	884
Performed any household chores at all yesterday	-0.012	-0.050	0.003	0.054*	0.035
<i>N</i>	3,252	3,588	6,937	5,611	884
Hours spent on household chores yesterday	-0.266	-0.456***	0.123	0.170	-0.017
<i>N</i>	3,252	3,588	6,937	5,611	884

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.3: Impacts on time use for economic activities by age-sex groups (ATT)

Dependent Variable	Female Children (7-14) (1)	Male Children (7-14) (2)	Female Adults (15-59) (3)	Male Adults (15-59) (4)	Female Elderly (60+) (5)
Spent time on household farming activity in past rainy season	-0.014	0.058	0.052**	0.036**	0.075
<i>N</i>	3,252	3,588	6,937	5,611	884
Days spent on household farming activities in last rainy season	-0.684	0.001	-0.355	-1.512	1.954
<i>N</i>	3,252	3,588	6,937	5,611	884
Spent time on household NFE in last 7 days	-0.002	0.011	0.017	0.008	0.041*
<i>N</i>	3,252	3,588	6,937	5,611	884

Hours spent on household NFE in last 7 days	-0.050 (-0.48)	0.063 (1.18)	0.317 (1.20)	-0.061 (-0.20)	0.424 (1.32)
Spent time on household livestock activities in last 7 days	0.010 (0.43)	-0.033 (-0.91)	0.019 (1.04)	0.040 (1.14)	-0.043* (-1.79)
Hours spent on household livestock activities in last 7 days	0.028 (0.10)	-0.378 (-0.78)	-0.015 (-0.15)	-0.177 (-0.55)	-0.112 (-1.44)
Spent time collecting nuts or fruits in last 7 days	0.054* (1.84)	0.006 (0.31)	-0.009 (-0.36)	-0.013 (-1.25)	0.017 (0.38)
Hours spent on collecting nuts or fruits in last 7 days	0.120 (0.39)	0.036 (0.35)	-0.299 (-0.92)	-0.371** (-2.22)	0.041 (0.09)
Spent time on casual labour last 7 days	-0.032* (-1.78)	-0.028 (-1.58)	0.016 (0.83)	-0.015 (-0.62)	0.023 (1.40)
Hours spent on casual labour in last 7 days	-0.131 (-0.74)	-0.252 (-1.54)	0.044 (0.17)	-0.235 (-0.68)	-0.103 (-0.41)
Spent time on wage labour in last 7 days	-0.012 (-0.62)	-0.006 (-0.33)	0.008 (0.38)	-0.031 (-1.20)	0.006 (0.51)
Hours spent on wage labour in last 7 days	0.178 (0.60)	-0.177 (-0.64)	0.610 (1.42)	-1.173* (-1.96)	0.137 (0.46)
<i>N</i>	3,252	3,588	6,937	5,611	884

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.4: Impacts on livestock raising (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Raised any livestock	0.066** (0.03)	0.407	0.385	0.527	0.439
Number of different livestock	0.080 (0.07)	0.798	0.750	0.946	0.818
Raised drought animal	-0.018 (0.01)	0.064	0.050	0.038	0.044
Raised cattle (incl calves)	0.025 (0.02)	0.110	0.110	0.108	0.091
Raised sheep	-0.003 (0.03)	0.216	0.210	0.242	0.232
Raised goats	0.068** (0.03)	0.319	0.297	0.418	0.336
Raised pigs	0.012 (0.02)	0.079	0.078	0.136	0.115
Raised rabbits	-0.003 (0.00)	0.009	0.005	0.004	0.000
<i>N</i>	4,661	1,031	1,117	1,030	1,117

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.5: Impacts on number of livestock (ATT)

Dependent	Program	Baseline	Baseline	Endline	Endline
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Variable	Impact (ATT) (1)	Treated Mean (2)	Control Mean (3)	Treated Mean (4)	Control Mean (5)
Number of drought animal	-0.063** (0.02)	0.142	0.087	0.064	0.069
Number of cattle (incl calves)	0.140 (0.27)	0.817	0.775	0.436	0.315
Number of sheep	0.002 (0.23)	0.886	0.962	0.750	0.812
Number of goats	0.276 (0.24)	1.091	1.193	1.157	1.039
Number of pigs	0.150 (0.12)	0.194	0.320	0.312	0.286
Number of rabbits	0.074 (0.09)	0.024	0.095	0.013	0.000
<i>N</i>	4,661	1,031	1,117	1,030	1,117

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.6: Impacts on poultry production (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Has any poultry or fish	0.072** (0.03)	0.452	0.439	0.553	0.472
Number of different poultry or fish	0.082 (0.05)	0.619	0.615	0.693	0.615
Raised chicken	0.072** (0.03)	0.435	0.415	0.542	0.456
Raised guinea fowl	0.015 (0.02)	0.146	0.152	0.123	0.120
Raised duck	0.005 (0.01)	0.015	0.022	0.011	0.011
Raised other poultry	-0.014** (0.01)	0.008	0.004	0.006	0.016
<i>N</i>	4,661	1,031	1,117	1,030	1,117

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.7: Impacts on number of poultry (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Number of chicken	-0.101 (0.53)	3.163	2.680	3.576	3.222
Number of guinea fowl	-0.066 (0.42)	1.471	1.565	1.108	1.266
Number of duck	0.018 (0.03)	0.074	0.074	0.036	0.027
Number of other poultry	-0.207** (0.10)	0.078	0.032	0.042	0.182
<i>N</i>	4,661	1,031	1,117	1,030	1,117

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.8: Impacts on purchases and sale of animals in last 12 months (ATT)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Any livestock purchases in last 12 months	0.058 (0.04)	0.243	0.188
Expenditure on livestock purchases	1.845 (23.45)	50.082	58.755
Any livestock sale	0.017 (0.02)	0.065	0.054
Income from livestock sale	-7.068 (12.35)	16.410	16.701
Any poultry purchases	0.077** (0.04)	0.206	0.181
Expenditure on poultry purchases	2.762 (1.77)	7.596	4.885
Any poultry sale	-0.009 (0.02)	0.064	0.054
Income from poultry sale	2.498 (3.40)	5.311	3.889
<i>N</i>		1,030	1,117

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.9: Impacts on agricultural inputs use (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
HH with spending on agricultural inputs	0.013 (0.02)	0.779	0.798	0.910	0.910
Total expenditure on agricultural inputs	41.941** (20.94)	197.435	218.216	213.435	197.861
Any expenditure of seeds	-0.008 (0.03)	0.602	0.621	0.767	0.779
Expenditure on seeds	4.943 (4.80)	36.948	38.170	47.683	44.574
Any expenditure of equipment	0.006 (0.03)	0.493	0.531	0.535	0.560
Expenditure on equipment	5.026 (6.60)	33.771	38.490	26.039	27.375
Any expenditure of hired labor for production	-0.001 (0.03)	0.234	0.230	0.225	0.233
Expenditure on hired labor for production	0.839 (4.18)	20.957	22.815	26.083	26.921
Any expenditure on agro-chemicals	0.002 (0.04)	0.496	0.495	0.609	0.602
Expenditure on agro-chemicals	31.116* (15.86)	103.884	116.918	109.688	95.181
Any expenditure of bags, containers, strings, packaging	-0.023 (0.02)	0.112	0.084	0.159	0.147
Expenditure on bags, containers, strings, packaging	0.016 (0.81)	1.875	1.823	3.942	3.811

<i>N</i>	4,662	1,031	1,117	1,031	1,117
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Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.10: Impacts on loans (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Borrowed in last 12 months	-0.042 (0.03)	0.357	0.353	0.392	0.414
Total amount of loan	-20.489 (34.20)	205.366	190.942	190.130	197.155
Total outstanding loan	-7.432 (23.51)	197.962	173.835	167.879	154.751
Loan for productive investment	0.097* (0.05)	0.300	0.311	0.292	0.220
Loan for routine consumption purchases	-0.089 (0.05)	0.498	0.457	0.437	0.465
Loan for emergency	0.003 (0.05)	0.233	0.271	0.219	0.266
<i>N</i>	1,786	370	394	404	466

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.11: Impacts on credits (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Purchased on credit in last 12 months	-0.006 (0.03)	0.251	0.258	0.194	0.210
Total purchases on credit	26.315 (24.38)	136.893	157.824	122.838	127.267
Total outstanding debt on credit purchases	22.459 (34.12)	110.757	132.706	157.491	166.811
Household not credit constrained	-0.017 (0.03)	0.363	0.357	0.635	0.647
Credit purchases for consumption	0.008 (0.03)	0.211	0.226	0.177	0.189
<i>N</i>	4,660	1,031	1,117	1,030	1,117

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.12: Impacts on social exchanges (ATT)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Any in-transfers	0.020 (0.03)	0.116	0.097
Value of in-transfers	6.192* (3.47)	11.409	9.863

Any out-transfers	0.040 (0.03)	0.176	0.102
Value of out-transfers	8.873 (6.45)	25.206	12.230
Net-transfers (In-Out)	-2.681 (7.46)	-13.797	-2.367
<i>N</i>		1,030	1,117

Notes: t statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 2.13: Impacts on HH enterprise operations (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Household has any enterprise	0.035 (0.02)	0.203	0.224	0.263	0.258
<i>N</i>	4,662	1,031	1,117	1,031	1,117
Number of enterprises	0.049* (0.03)	0.224	0.245	0.314	0.298
<i>N</i>	4,662	1,031	1,117	1,031	1,117
Months of operation	-0.036 (0.49)	8.575	8.408	9.525	9.469
<i>N</i>	1,119	212	253	276	290
Enterprise managed by female	0.024 (0.05)	0.636	0.623	0.846	0.806
<i>N</i>	1,119	212	253	276	290
Age of person managing enterprise	1.052 (1.09)	37.136	34.927	35.938	33.330
<i>N</i>	1,119	212	253	276	290
Enterprise profits in typical month	4.826 (9.43)	38.636	40.349	53.125	52.676
<i>N</i>	1,119	212	253	276	290
Annual enterprise profits	41.685 (114.70)	359.210	390.430	505.887	533.665
<i>N</i>	1,119	212	253	276	290

Notes: t-statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

3. Housing conditions and WASH

Table 3.1: Impacts on Housing conditions and WASH (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Persons per room	-0.040 (0.07)	2.623	2.468	2.614	2.489
Improved person-per-room	0.016 (0.03)	0.651	0.673	0.682	0.687
Improved lighting source	0.032* (0.02)	0.266	0.311	0.382	0.396
Improved wall	-0.010 (0.01)	0.034	0.038	0.040	0.052
Improved roof	0.021 (0.03)	0.650	0.662	0.687	0.662
Improved floor	0.058* (0.03)	0.745	0.750	0.776	0.721
Improved kitchen facility	0.026 (0.03)	0.132	0.132	0.278	0.244
Improved drinking water	0.002 (0.02)	0.630	0.602	0.732	0.690
Improved sanitation	-0.007 (0.02)	0.102	0.099	0.230	0.232
Appropriate handwashing facility	0.026 (0.02)	0.073	0.074	0.130	0.107
Number of acceptable domains	0.166** (0.08)	3.283	3.340	3.938	3.789
<i>N</i>	4,662	1,031	1,117	1,031	1,117

Notes: t-statistic in parentheses. * 10% significance ** 5% significance; *** 1% significance;

4. NHIS enrolment, morbidity and health seeking behaviour

Table 4.1: Impacts on household NHIS enrolment (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
HH has at least one member with valid NHIS insurance card	0.059 (0.04)	0.730	0.687	0.782	0.688
<i>N</i>	4,662	1,031	1,117	1,031	1,117
HH has all members with valid NHIS insurance card	0.091*** (0.02)	0.002	0.004	0.163	0.079
<i>N</i>	4,662	1,031	1,117	1,031	1,117

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 4.2: Impacts on household ever being registered with NHIS (ATT, Single difference)

Dependent Variable	Program Impact (ATT)	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)
HH has at least one member ever NHIS insurance	0.010 (0.01)	0.983	0.964
<i>N</i>		1,031	1,117
HH with all members ever NHIS insurance	0.044 (0.05)	0.505	0.440
<i>N</i>		1,031	1,117

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 4.3: Impacts on NHIS coverage, individuals aged 18+ (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
Has valid NHIS insurance for current year	0.167*** (0.02)	0.312	0.320	0.417	0.282
<i>N</i>	12,878	2,907	3,114	2,807	3,010

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 4.4: Impacts on ever being registered with NHIS, individuals aged 18+ (ATT, Single difference)

Dependent Variable	Program Impact (ATT)	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)
Individual ever enrolment in NHIS	0.084**	0.804	0.747

(0.03)					
<i>N</i>		2,807	3,010		
Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;					

Table 4.5: Impacts on NHIS coverage, individuals aged 5-17 (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Has valid NHIS insurance for current year	0.152***	0.432	0.431	0.499	0.370
(0.03)					
<i>N</i>	13,985	2,454	2,122	4,191	3,994

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 4.6: Impacts on ever being registered with NHIS, individuals aged 5-17 (ATT, Single difference)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Individual ever enrolment in NHIS	0.036	0.870	0.801
(0.03)			
<i>N</i>		4,191	3,994

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 4.7: Impacts on morbidity and service use, individuals aged 18+ (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Illness in last 2 weeks	0.011	0.232	0.251	0.180	0.191
(0.02)					
<i>N</i>	12,839	2,898	3,104	2,799	3,000
Sought care for illness in last 2 weeks	0.127***	0.532	0.568	0.716	0.656
(0.04)					
<i>N</i>	2,791	679	781	502	573
Real health expenditures	-0.047	7.355	8.131	7.231	7.761
(1.63)					
<i>N</i>	12,878	2,907	3,114	2,807	3,010
Real medication and consultation expenditures	-0.309	4.355	5.056	4.393	5.014
(1.32)					
<i>N</i>	12,878	2,907	3,114	2,807	3,010
Real medicines and medical supplies expenditures	0.262	3.001	3.076	2.838	2.747
(0.69)					
<i>N</i>	12,878	2,907	3,114	2,807	3,010

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 4.8: Impacts on morbidity and service use, individuals aged 5-17 (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Illness in last 2 weeks	-0.018 (0.02)	0.205	0.207	0.134	0.147
<i>N</i>	10,553	2,451	2,116	2,662	2,369
Sought care for illness in last 2 weeks	-0.077 (0.06)	0.531	0.522	0.709	0.747
<i>N</i>	1,828	506	438	358	348
Real health expenditures	-0.920 (0.82)	4.307	4.557	2.189	3.123
<i>N</i>	13,985	2,454	2,122	4,191	3,994
Real medication and consultation expenditures	-0.650 (0.63)	2.378	2.656	1.354	2.016
<i>N</i>	13,985	2,454	2,122	4,191	3,994
Real medicines and medical supplies expenditures	-0.269 (0.43)	1.928	1.901	0.835	1.107
<i>N</i>	13,985	2,454	2,122	4,191	3,994

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

5. Child health and nutrition

Table 5.1: Impacts on ANC and Health at Birth Indicators (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
ANC from skilled provider	-0.004 (0.01)	0.978	0.962	0.974	0.960
<i>N</i>	3,115	1,044	1,096	340	397
ANC 4 times or more	0.007 (0.03)	0.833	0.823	0.913	0.885
<i>N</i>	3,104	1,044	1,096	338	389
Delivery with assistance from skilled provider	0.023 (0.04)	0.622	0.613	0.650	0.606
<i>N</i>	3,115	1,044	1,096	340	397
Delivery in health facility	0.011 (0.04)	0.615	0.605	0.632	0.599
<i>N</i>	3,115	1,044	1,096	340	397
Size at birth small	0.015 (0.04)	0.178	0.211	0.109	0.137
<i>N</i>	2,980	993	1,025	339	397
Size at birth very small	-0.038 (0.03)	0.096	0.074	0.075	0.101
<i>N</i>	2,980	993	1,025	339	397
Low birth weight < 2500 gram	-0.063 (0.04)	0.092	0.055	0.054	0.095
<i>N</i>	1,567	547	567	165	167

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.2: Impacts on Child Health Indicators (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
At least one PNC in last 12 months	0.038 (0.03)	0.696	0.730	0.730	0.729
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Diarrhoea last 2 weeks	0.014 (0.03)	0.361	0.408	0.298	0.331
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Received ORS during episode of diarrhoea	0.019 (0.06)	0.602	0.606	0.667	0.625
<i>N</i>	2,390	576	681	426	506
Received recommended home fluid during episode of diarrhoea	0.042 (0.03)	0.024	0.030	0.164	0.136
<i>N</i>	2,390	576	681	426	506
Received ORT during episode of diarrhoea	0.026 (0.05)	0.655	0.659	0.768	0.719
<i>N</i>	2,390	576	681	426	506
Received ORT with continued feeding during episode of diarrhoea	-0.065 (0.05)	0.330	0.294	0.459	0.482
<i>N</i>	2,390	576	681	426	506
No treatment for diarrhoea during last episode	-0.021 (0.03)	0.109	0.100	0.073	0.093
<i>N</i>	2,390	576	681	426	506
Symptoms of ARI last 2 weeks	-0.001 (0.01)	0.051	0.058	0.041	0.047
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Fever last 2 weeks	0.045 (0.03)	0.228	0.270	0.263	0.260
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Safe disposal of child stools	0.003 (0.03)	0.246	0.196	0.390	0.332
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Slept under bednet yesterday	0.008 (0.03)	0.677	0.687	0.812	0.810
<i>N</i>	6,731	1,590	1,657	1,430	1,529

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.3: Impacts on Child Health Indicators (Panel of children) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
At least one PNC in last 12 months	0.038 (0.03)	0.696	0.730	0.730	0.729
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Diarrhoea last 2 weeks	0.014 (0.03)	0.361	0.408	0.298	0.331
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Received ORS during episode of diarrhoea	0.019 (0.06)	0.602	0.606	0.667	0.625
<i>N</i>	2,390	576	681	426	506
Received recommended home fluid during episode of diarrhoea	0.042 (0.03)	0.024	0.030	0.164	0.136
<i>N</i>	2,390	576	681	426	506
Received ORT during episode of diarrhoea	0.026 (0.05)	0.655	0.659	0.768	0.719
<i>N</i>	2,390	576	681	426	506
Received ORT with continued feeding during episode of diarrhoea	-0.065 (0.05)	0.330	0.294	0.459	0.482
<i>N</i>	2,390	576	681	426	506
No treatment for diarrhoea during last episode	-0.021 (0.03)	0.109	0.100	0.073	0.093
<i>N</i>	2,390	576	681	426	506
Symptoms of ARI last 2 weeks	-0.001 (0.01)	0.051	0.058	0.041	0.047
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Fever last 2 weeks	0.045 (0.03)	0.228	0.270	0.263	0.260
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Safe disposal of child stools	0.003 (0.03)	0.246	0.196	0.390	0.332
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Slept under bednet yesterday	0.008 (0.03)	0.677	0.687	0.812	0.810
<i>N</i>	6,731	1,590	1,657	1,430	1,529

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.4: Impacts on Child Health Indicators (index child) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
At least one PNC in last 12 months	0.038 (0.03)	0.696	0.730	0.730	0.729
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Diarrhoea last 2 weeks	0.014 (0.03)	0.361	0.408	0.298	0.331
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Received ORS during episode of diarrhoea	0.019 (0.06)	0.602	0.606	0.667	0.625
<i>N</i>	2,390	576	681	426	506
Received recommended home fluid during episode of diarrhoea	0.042 (0.03)	0.024	0.030	0.164	0.136
<i>N</i>	2,390	576	681	426	506
Received ORT during episode of diarrhoea	0.026 (0.05)	0.655	0.659	0.768	0.719
<i>N</i>	2,390	576	681	426	506
Received ORT with continued feeding during episode of diarrhoea	-0.065 (0.05)	0.330	0.294	0.459	0.482
<i>N</i>	2,390	576	681	426	506
No treatment for diarrhoea during last episode	-0.021 (0.03)	0.109	0.100	0.073	0.093
<i>N</i>	2,390	576	681	426	506
Symptoms of ARI last 2 weeks	-0.001 (0.01)	0.051	0.058	0.041	0.047
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Fever last 2 weeks	0.045 (0.03)	0.228	0.270	0.263	0.260
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Safe disposal of child stools	0.003 (0.03)	0.246	0.196	0.390	0.332
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Slept under bednet yesterday	0.008 (0.03)	0.677	0.687	0.812	0.810
<i>N</i>	6,731	1,590	1,657	1,430	1,529

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.5: Impacts on Child Health Indicators (Panel of index children) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
At least one PNC in last 12 months	0.038 (0.03)	0.696	0.730	0.730	0.729
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Diarrhoea last 2 weeks	0.014 (0.03)	0.361	0.408	0.298	0.331
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Received ORS during episode of diarrhoea	0.019 (0.06)	0.602	0.606	0.667	0.625
<i>N</i>	2,390	576	681	426	506
Received recommended home fluid during episode of diarrhoea	0.042 (0.03)	0.024	0.030	0.164	0.136
<i>N</i>	2,390	576	681	426	506
Received ORT during episode of diarrhoea	0.026 (0.05)	0.655	0.659	0.768	0.719
<i>N</i>	2,390	576	681	426	506
Received ORT with continued feeding during episode of diarrhoea	-0.065 (0.05)	0.330	0.294	0.459	0.482
<i>N</i>	2,390	576	681	426	506
No treatment for diarrhoea during last episode	-0.021 (0.03)	0.109	0.100	0.073	0.093
<i>N</i>	2,390	576	681	426	506
Symptoms of ARI last 2 weeks	-0.001 (0.01)	0.051	0.058	0.041	0.047
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Fever last 2 weeks	0.045 (0.03)	0.228	0.270	0.263	0.260
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Safe disposal of child stools	0.003 (0.03)	0.246	0.196	0.390	0.332
<i>N</i>	6,731	1,590	1,657	1,430	1,529
Slept under bednet yesterday	0.008 (0.03)	0.677	0.687	0.812	0.810
<i>N</i>	6,731	1,590	1,657	1,430	1,529

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.6: Impacts on Vaccination Indicators (children 12 - 23 months) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
BCG	-0.033** (0.02)	0.984	0.958	0.990	0.996
Polio 0 (at birth)	-0.053 (0.04)	0.842	0.815	0.974	0.978
Polio 1	0.005 (0.02)	0.944	0.936	0.990	0.987
Polio 2	-0.016 (0.02)	0.963	0.928	0.985	0.974
Polio 3	-0.043 (0.03)	0.954	0.918	0.954	0.970
Penta 1	-0.023 (0.02)	0.972	0.968	0.955	0.979
Penta 2	-0.025 (0.03)	0.972	0.949	0.939	0.954
Penta 3	-0.014 (0.03)	0.957	0.939	0.911	0.933
Measles	-0.042 (0.05)	0.877	0.844	0.866	0.886
Yellow fever	-0.044 (0.05)	0.874	0.827	0.871	0.877
All basic vaccinations	-0.049 (0.05)	0.843	0.794	0.849	0.869
<i>N</i>	1,153	314	336	187	232

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.7: Impacts on Vaccination Indicators (children 24 - 59 months) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
BCG	-0.001 (0.01)	0.972	0.968	0.989	0.982
Polio 0 (at birth)	-0.013 (0.02)	0.854	0.845	0.975	0.958
Polio 1	-0.008 (0.01)	0.966	0.947	0.990	0.974
Polio 2	-0.013 (0.01)	0.966	0.947	0.987	0.973
Polio 3	-0.009 (0.01)	0.956	0.942	0.979	0.963
Penta 1	0.002 (0.01)	0.967	0.961	0.984	0.970
Penta 2	-0.008 (0.01)	0.964	0.950	0.978	0.964
Penta 3	-0.011 (0.02)	0.955	0.944	0.969	0.955
Measles	-0.009 (0.02)	0.918	0.914	0.955	0.941
Yellow fever	-0.006 (0.02)	0.913	0.915	0.948	0.934
All basic vaccinations	-0.034 (0.02)	0.899	0.867	0.946	0.921
<i>N</i>	3,730	666	705	1,019	1,051

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.8: Impacts on Vaccination Indicators (Panel of children 24 - 59 months) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
BCG	-0.001 (0.01)	0.972	0.968	0.989	0.982
Polio 0 (at birth)	-0.013 (0.02)	0.854	0.845	0.975	0.958
Polio 1	-0.008 (0.01)	0.966	0.947	0.990	0.974
Polio 2	-0.013 (0.01)	0.966	0.947	0.987	0.973
Polio 3	-0.009 (0.01)	0.956	0.942	0.979	0.963
Penta 1	0.002 (0.01)	0.967	0.961	0.984	0.970
Penta 2	-0.008 (0.01)	0.964	0.950	0.978	0.964
Penta 3	-0.011 (0.02)	0.955	0.944	0.969	0.955
Measles	-0.009 (0.02)	0.918	0.914	0.955	0.941
Yellow fever	-0.006 (0.02)	0.913	0.915	0.948	0.934
All basic vaccinations	-0.034 (0.02)	0.899	0.867	0.946	0.921
<i>N</i>	3,730	666	705	1,019	1,051

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.9: Impacts on Vaccination Indicators (index child) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
BCG	-0.007 (0.01)	0.950	0.940	0.980	0.972
Polio 0 (at birth)	-0.015 (0.02)	0.818	0.802	0.956	0.938
Polio 1	0.015 (0.01)	0.904	0.899	0.961	0.939
Polio 2	0.005 (0.02)	0.875	0.866	0.937	0.916
Polio 3	-0.004 (0.02)	0.828	0.818	0.907	0.893
Penta 1	0.015 (0.02)	0.886	0.887	0.936	0.918
Penta 2	-0.002 (0.02)	0.850	0.835	0.911	0.893
Penta 3	-0.013 (0.02)	0.808	0.790	0.882	0.869
Measles	-0.002 (0.02)	0.629	0.627	0.830	0.815
Yellow fever	-0.003 (0.02)	0.621	0.620	0.824	0.809
All basic vaccinations	-0.011 (0.02)	0.612	0.596	0.822	0.797
<i>N</i>	6,734	1,590	1,659	1,430	1,530

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.10: Impacts on Vaccination Indicators (Panel of index children) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
BCG	-0.007 (0.01)	0.950	0.940	0.980	0.972
Polio 0 (at birth)	-0.015 (0.02)	0.818	0.802	0.956	0.938
Polio 1	0.015 (0.01)	0.904	0.899	0.961	0.939
Polio 2	0.005 (0.02)	0.875	0.866	0.937	0.916
Polio 3	-0.004 (0.02)	0.828	0.818	0.907	0.893
Penta 1	0.015 (0.02)	0.886	0.887	0.936	0.918
Penta 2	-0.002 (0.02)	0.850	0.835	0.911	0.893
Penta 3	-0.013 (0.02)	0.808	0.790	0.882	0.869
Measles	-0.002 (0.02)	0.629	0.627	0.830	0.815
Yellow fever	-0.003 (0.02)	0.621	0.620	0.824	0.809
All basic vaccinations	-0.011 (0.02)	0.612	0.596	0.822	0.797
<i>N</i>	6,734	1,590	1,659	1,430	1,530

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.11: Impacts on Nutrition & Feeding Indicators (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Breastfeeding within 1 hour of birth	0.042 (0.06)	0.504	0.520	0.595	0.599
<i>N</i>	2,216	750	771	234	289
Continued breastfeeding at 1 year	-0.008 (0.01)	0.980	0.981	1.000	1.000
<i>N</i>	488	194	210	18	24
Introduction of solid, semi-solid or soft foods	-0.035 (0.12)	0.607	0.594	0.340	0.377
<i>N</i>	427	146	157	44	47
Minimum dietary diversity	0.067 (0.05)	0.243	0.233	0.293	0.219
<i>N</i>	1,996	607	642	265	323
Minimum meal frequency for all children	-0.015 (0.06)	0.408	0.368	0.436	0.381
<i>N</i>	1,996	607	642	265	323
Minimum acceptable diet for all children	0.029 (0.04)	0.125	0.118	0.175	0.119
<i>N</i>	1,996	607	642	265	323
Consumption of iron-rich or iron-fortified foods	-0.045 (0.04)	0.622	0.597	0.765	0.789
<i>N</i>	1,996	607	642	265	323
= 1 if positive feeding style	0.049 (0.06)	0.428	0.443	0.452	0.425
<i>N</i>	1,842	575	600	234	287

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.12: Impacts on Exclusive breastfeeding (endline only) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Exclusive breastfeeding under 6 months	0.128* (0.07)	0.905	0.875
<i>N</i>		123	127

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Nutritional status

Table 5.13: Impacts on Nutritional Status (0 - 83 Months) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Length/height-for-age z-score	0.052 (0.08)	-1.109	-1.117	-1.286	-1.307
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Stunted (HAZ < -2 SD)	-0.011 (0.02)	0.285	0.288	0.264	0.271
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Severely Stunted (HAZ < -3 SD)	-0.018 (0.02)	0.127	0.119	0.068	0.081
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Weight-for-length/height z-score	-0.073 (0.09)	-0.483	-0.442	-0.576	-0.482
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Wasted (WHZ < -2 SD)	0.010 (0.02)	0.160	0.150	0.080	0.074
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Severely Wasted (WHZ < -3 SD)	0.005 (0.01)	0.064	0.059	0.024	0.018
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Weight-for-age z-score	0.012 (0.06)	-1.028	-0.978	-1.145	-1.097
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Underweight (WAZ < -2 SD)	0.004 (0.02)	0.199	0.181	0.177	0.159
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Severely Underweight (WAZ < -3 SD)	-0.018 (0.01)	0.079	0.053	0.043	0.038
<i>N</i>	6,639	1,235	1,255	1,773	1,859

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.14: Impacts on Nutritional Status (0 - 23 Months) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Length/height-for-age z-score	0.052 (0.08)	-1.109	-1.117	-1.286	-1.307
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Stunted (HAZ < -2 SD)	-0.011 (0.02)	0.285	0.288	0.264	0.271
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Severely Stunted (HAZ < -3 SD)	-0.018 (0.02)	0.127	0.119	0.068	0.081
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Weight-for-length/height z-score	-0.073 (0.09)	-0.483	-0.442	-0.576	-0.482
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Wasted (WHZ < -2 SD)	0.010 (0.02)	0.160	0.150	0.080	0.074
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Severely Wasted (WHZ < -3 SD)	0.005 (0.01)	0.064	0.059	0.024	0.018
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Weight-for-age z-score	0.012 (0.06)	-1.028	-0.978	-1.145	-1.097
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Underweight (WAZ < -2 SD)	0.004 (0.02)	0.199	0.181	0.177	0.159
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Severely Underweight (WAZ < -3 SD)	-0.018 (0.01)	0.079	0.053	0.043	0.038
<i>N</i>	6,639	1,235	1,255	1,773	1,859

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.15: Impacts on Nutritional Status (24 - 59 Months) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Length/height-for-age z-score	0.052 (0.08)	-1.109	-1.117	-1.286	-1.307
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Stunted (HAZ < -2 SD)	-0.011 (0.02)	0.285	0.288	0.264	0.271
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Severely Stunted (HAZ < -3 SD)	-0.018 (0.02)	0.127	0.119	0.068	0.081
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Weight-for-length/height z-score	-0.073 (0.09)	-0.483	-0.442	-0.576	-0.482
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Wasted (WHZ < -2 SD)	0.010 (0.02)	0.160	0.150	0.080	0.074
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Severely Wasted (WHZ < -3 SD)	0.005 (0.01)	0.064	0.059	0.024	0.018
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Weight-for-age z-score	0.012 (0.06)	-1.028	-0.978	-1.145	-1.097
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Underweight (WAZ < -2 SD)	0.004 (0.02)	0.199	0.181	0.177	0.159
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Severely Underweight (WAZ < -3 SD)	-0.018 (0.01)	0.079	0.053	0.043	0.038
<i>N</i>	6,639	1,235	1,255	1,773	1,859

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.16: Impacts on Nutritional Status (Boys 0 - 83 Months) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Length/height-for-age z-score	0.112 (0.12)	-1.266	-1.222	-1.376	-1.402
<i>N</i>	3,335	609	623	919	932
Stunted (HAZ < -2 SD)	-0.008 (0.03)	0.307	0.316	0.298	0.306
<i>N</i>	3,335	609	623	919	932
Severely Stunted (HAZ < -3 SD)	-0.030 (0.02)	0.142	0.128	0.079	0.099
<i>N</i>	3,335	609	623	919	932
Weight-for-length/height z-score	-0.198 (0.13)	-0.508	-0.507	-0.623	-0.460
<i>N</i>	2,796	619	622	668	677
Wasted (WHZ < -2 SD)	0.024 (0.03)	0.167	0.163	0.091	0.077
<i>N</i>	2,796	619	622	668	677
Severely Wasted (WHZ < -3 SD)	0.025 (0.02)	0.067	0.072	0.036	0.020
<i>N</i>	2,796	619	622	668	677
Weight-for-age z-score	-0.017 (0.08)	-1.130	-1.073	-1.195	-1.110
<i>N</i>	3,326	619	619	914	925
Underweight (WAZ < -2 SD)	0.019 (0.03)	0.205	0.201	0.187	0.167
<i>N</i>	3,326	619	619	914	925
Severely Underweight (WAZ < -3 SD)	-0.013 (0.02)	0.083	0.068	0.045	0.042
<i>N</i>	3,326	619	619	914	925

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.17: Impacts on Nutritional Status (Girls 0 - 83 Months) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Length/height-for-age z-score	0.004 (0.12)	-0.955	-1.014	-1.191	-1.214
<i>N</i>	3,312	617	632	858	941
Stunted (HAZ < -2 SD)	-0.018 (0.04)	0.264	0.260	0.228	0.237
<i>N</i>	3,312	617	632	858	941
Severely Stunted (HAZ < -3 SD)	-0.007 (0.02)	0.112	0.110	0.056	0.063
<i>N</i>	3,312	617	632	858	941
Weight-for-length/height z-score	0.048 (0.12)	-0.457	-0.378	-0.527	-0.502
<i>N</i>	2,833	616	637	640	705
Wasted (WHZ < -2 SD)	-0.003 (0.03)	0.153	0.136	0.068	0.071
<i>N</i>	2,833	616	637	640	705
Severely Wasted (WHZ < -3 SD)	-0.014 (0.02)	0.060	0.047	0.013	0.016
<i>N</i>	2,833	616	637	640	705
Weight-for-age z-score	0.043 (0.08)	-0.927	-0.887	-1.091	-1.083
<i>N</i>	3,313	616	636	859	934
Underweight (WAZ < -2 SD)	-0.010 (0.03)	0.193	0.161	0.167	0.151
<i>N</i>	3,313	616	636	859	934
Severely Underweight (WAZ < -3 SD)	-0.023 (0.02)	0.076	0.039	0.042	0.033
<i>N</i>	3,313	616	636	859	934

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.18: Impacts on Nutritional Status (Panel) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Length/height-for-age z-score	0.052 (0.08)	-1.109	-1.117	-1.286	-1.307
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Stunted (HAZ < -2 SD)	-0.011 (0.02)	0.285	0.288	0.264	0.271
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Severely Stunted (HAZ < -3 SD)	-0.018 (0.02)	0.127	0.119	0.068	0.081
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Weight-for-length/height z-score	-0.073 (0.09)	-0.483	-0.442	-0.576	-0.482
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Wasted (WHZ < -2 SD)	0.010 (0.02)	0.160	0.150	0.080	0.074
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Severely Wasted (WHZ < -3 SD)	0.005 (0.01)	0.064	0.059	0.024	0.018
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Weight-for-age z-score	0.012 (0.06)	-1.028	-0.978	-1.145	-1.097
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Underweight (WAZ < -2 SD)	0.004 (0.02)	0.199	0.181	0.177	0.159
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Severely Underweight (WAZ < -3 SD)	-0.018 (0.01)	0.079	0.053	0.043	0.038
<i>N</i>	6,639	1,235	1,255	1,773	1,859

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.19: Impacts on Nutritional Status (Index child) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Length/height-for-age z-score	0.052 (0.08)	-1.109	-1.117	-1.286	-1.307
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Stunted (HAZ < -2 SD)	-0.011 (0.02)	0.285	0.288	0.264	0.271
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Severely Stunted (HAZ < -3 SD)	-0.018 (0.02)	0.127	0.119	0.068	0.081
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Weight-for-length/height z-score	-0.073 (0.09)	-0.483	-0.442	-0.576	-0.482
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Wasted (WHZ < -2 SD)	0.010 (0.02)	0.160	0.150	0.080	0.074
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Severely Wasted (WHZ < -3 SD)	0.005 (0.01)	0.064	0.059	0.024	0.018
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Weight-for-age z-score	0.012 (0.06)	-1.028	-0.978	-1.145	-1.097
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Underweight (WAZ < -2 SD)	0.004 (0.02)	0.199	0.181	0.177	0.159
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Severely Underweight (WAZ < -3 SD)	-0.018 (0.01)	0.079	0.053	0.043	0.038
<i>N</i>	6,639	1,235	1,255	1,773	1,859

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 5.20: Impacts on Nutritional Status (Panel of index children) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Length/height-for-age z-score	0.052 (0.08)	-1.109	-1.117	-1.286	-1.307
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Stunted (HAZ < -2 SD)	-0.011 (0.02)	0.285	0.288	0.264	0.271
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Severely Stunted (HAZ < -3 SD)	-0.018 (0.02)	0.127	0.119	0.068	0.081
<i>N</i>	6,647	1,226	1,255	1,777	1,873
Weight-for-length/height z-score	-0.073 (0.09)	-0.483	-0.442	-0.576	-0.482
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Wasted (WHZ < -2 SD)	0.010 (0.02)	0.160	0.150	0.080	0.074
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Severely Wasted (WHZ < -3 SD)	0.005 (0.01)	0.064	0.059	0.024	0.018
<i>N</i>	5,629	1,235	1,259	1,308	1,382
Weight-for-age z-score	0.012 (0.06)	-1.028	-0.978	-1.145	-1.097
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Underweight (WAZ < -2 SD)	0.004 (0.02)	0.199	0.181	0.177	0.159
<i>N</i>	6,639	1,235	1,255	1,773	1,859
Severely Underweight (WAZ < -3 SD)	-0.018 (0.01)	0.079	0.053	0.043	0.038
<i>N</i>	6,639	1,235	1,255	1,773	1,859

Notes: standard error in parentheses. * 10% significance ** 5% significance; *** 1% significance;

6. Birth registration and child development

Table 6.1: Impacts on Birth registration, children 0-59 months (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Birth registered	-0.001 (0.03)	0.440	0.436	0.557	0.536
<i>N</i>	6,050	1,416	1,476	1,301	1,386
Birth registered within one year of birth	0.040 (0.03)	0.846	0.883	0.941	0.928
<i>N</i>	2,960	624	644	721	741
Birth registration seen by enumerators	0.010 (0.05)	0.412	0.414	0.360	0.372
<i>N</i>	2,960	624	644	721	741

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 6.2: Impacts on Birth registration, children 0-24 months (new born only) (ATT, Single difference)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Birth registered	0.052 (0.07)	0.506	0.507
<i>N</i>		317	387
Birth registered within one year of birth	0.073 (0.06)	0.921	0.903
<i>N</i>		160	195
Birth registration seen by enumerators	-0.051 (0.10)	0.347	0.321
<i>N</i>		160	195

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 6.3: Impacts on Pre-school enrolment and support for learning, children 36-59 months (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Enrolled in pre-school	0.083** (0.04)	0.395	0.389	0.336	0.241
<i>N</i>	2,431	613	622	498	530
Enrolled in pre-school, girls	0.090 (0.06)	0.423	0.427	0.335	0.236
<i>N</i>	1,194	297	304	242	260
Enrolled in pre-school, boys	0.072 (0.06)	0.368	0.354	0.337	0.246
<i>N</i>	1,237	316	318	256	270

4+ activities with an adult household member	0.005 (0.04)	0.111	0.127	0.377	0.386
<i>N</i>	2,431	613	622	498	530
Mean number of activities with an adult member	0.198 (0.20)	1.820	1.944	3.198	3.191
<i>N</i>	2,115	537	552	417	463
1+ activities with the mother	-0.010 (0.05)	0.513	0.531	0.757	0.788
<i>N</i>	2,034	521	539	402	439
Mean number of activities with the mother	-0.179 (0.16)	0.938	1.009	1.791	2.058
<i>N</i>	2,034	521	539	402	439
1+ activities with the father	0.031 (0.04)	0.199	0.196	0.321	0.300
<i>N</i>	1,874	485	502	356	407
Mean number of activities with the father	0.030 (0.08)	0.303	0.287	0.502	0.474
<i>N</i>	1,874	485	502	356	407

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

7. Children's education

Table 7.1: Impacts on school enrolment, children 5-17 years (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
Currently enrolled, all children 5-17 years	0.015 (0.02)	0.733	0.723	0.731	0.706
<i>N</i>	10,354	2,454	2,122	2,587	2,248
Currently enrolled, girls 5-17 years	0.010 (0.02)	0.725	0.712	0.729	0.708
<i>N</i>	4,900	1,167	1,026	1,203	1,052
Currently enrolled, boys 5-17 years	0.020 (0.02)	0.741	0.733	0.733	0.704
<i>N</i>	5,454	1,287	1,096	1,384	1,196
Currently enrolled, all children 5-12 years	0.023 (0.02)	0.747	0.729	0.739	0.706
<i>N</i>	8,030	1,931	1,663	1,965	1,740
Currently enrolled, girls 5-12 years	0.034 (0.02)	0.738	0.722	0.740	0.703
<i>N</i>	3,821	917	812	930	817
Currently enrolled, boys 5-12 years	0.013 (0.03)	0.754	0.736	0.739	0.708
<i>N</i>	4,209	1,014	851	1,035	923
Currently enrolled, all children 13-17 years	-0.003 (0.04)	0.683	0.701	0.704	0.706
<i>N</i>	2,324	523	459	622	508
Currently enrolled, girls 13-17 years	-0.073 (0.06)	0.675	0.675	0.689	0.728
<i>N</i>	1,079	250	214	273	235
Currently enrolled, boys 13-17 years	0.053 (0.05)	0.691	0.724	0.715	0.687
<i>N</i>	1,245	273	245	349	273

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 7.2: Impacts on grade-for-age, children 5-17 years (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
Correct grade-for-age, all children 5-17 years	0.009 (0.02)	0.439	0.445	0.409	0.407
<i>N</i>	7,493	1,797	1,535	1,884	1,583
Correct grade-for-age, girls 5-17 years	-0.007 (0.04)	0.458	0.443	0.436	0.432
<i>N</i>	3,537	846	732	874	743
Correct grade-for-age, boys 5-17 years	0.023	0.423	0.447	0.385	0.385

years	(0.03)				
<i>N</i>	3,956	951	803	1,010	840
Correct grade-for-age, all children 5-12 years	0.014	0.527	0.541	0.502	0.505
	(0.03)				
<i>N</i>	5,876	1,440	1,213	1,448	1,224
Correct grade-for-age, girls 5-12 years	-0.033	0.541	0.530	0.519	0.544
	(0.05)				
<i>N</i>	2,788	677	587	687	572
Correct grade-for-age, boys 5-12 years	0.054	0.515	0.551	0.487	0.470
	(0.04)				
<i>N</i>	3,088	763	626	761	652
Correct grade-for-age, all children 13-17 years	0.023	0.086	0.083	0.096	0.072
	(0.03)				
<i>N</i>	1,617	357	322	436	359
Correct grade-for-age, girls 13-17 years	0.042	0.125	0.089	0.128	0.052
	(0.05)				
<i>N</i>	749	169	145	187	171
Correct grade-for-age, boys 13-17 years	0.007	0.052	0.078	0.072	0.090
	(0.04)				
<i>N</i>	868	188	177	249	188

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 7.3: Impacts on drop-out since baseline, children 5-17 years (ATT, Single difference)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Dropped-out from school, all children 5-17 years at baseline	0.033 (0.03)	0.133	0.136
<i>N</i>		1,545	1,301
Dropped-out from school, girls 5-17 years at baseline	0.069* (0.04)	0.134	0.132
<i>N</i>		707	602
Dropped-out from school, boys 5-17 years at baseline	0.003 (0.04)	0.133	0.140
<i>N</i>		838	699
Dropped-out from school, all children 5-12 years at baseline	0.028 (0.03)	0.118	0.118
<i>N</i>		1,307	1,088
Dropped-out from school, girls 5-12 years at baseline	0.047 (0.04)	0.110	0.117
<i>N</i>		597	507
Dropped-out from school, boys 5-12 years at baseline	0.011 (0.04)	0.125	0.118
<i>N</i>		710	581

Dropped-out from school, all children 13-17 years at baseline	0.090 (0.10)	0.217	0.232
<i>N</i>		238	213
Dropped-out from school, girls 13-17 years at baseline	0.291* (0.15)	0.261	0.211
<i>N</i>		110	95
Dropped-out from school, boys 13-17 years at baseline	-0.078 (0.14)	0.179	0.248
<i>N</i>		128	118

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 7.4: Impacts on grade progression since baseline, children 5-17 years (ATT, Single difference)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Correct grade progression, all children 5-17 years at baseline	-0.029 (0.05)	0.347	0.334
<i>N</i>		1,545	1,296
Correct grade progression, girls 5-17 years at baseline	-0.134* (0.08)	0.330	0.370
<i>N</i>		707	598
Correct grade progression, boys 5-17 years at baseline	0.061 (0.06)	0.362	0.303
<i>N</i>		838	698
Correct grade progression, all children 5-12 years at baseline	-0.017 (0.05)	0.333	0.321
<i>N</i>		1,307	1,083
Correct grade progression, girls 5-12 years at baseline	-0.090 (0.08)	0.322	0.350
<i>N</i>		597	503
Correct grade progression, boys 5-12 years at baseline	0.047 (0.06)	0.342	0.295
<i>N</i>		710	580
Correct grade progression, all children 13-17 years at baseline	-0.031 (0.13)	0.427	0.401
<i>N</i>		238	213
Correct grade progression, girls 13-17 years at baseline	-0.377** (0.18)	0.375	0.472
<i>N</i>		110	95
Correct grade progression, boys 13-17 years at baseline	0.277 (0.17)	0.471	0.344
<i>N</i>		128	118

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 7.5: Impacts on schooling expenditures, children 5-17 years (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Real education expenditures (12 months), all children 5-17 years	-11.637 (10.30)	100.586	102.187	147.289	153.785
<i>N</i>	7,494	1,797	1,535	1,884	1,584
Real education expenditures (12 months), girls 5-17 years	-8.170 (13.15)	103.083	104.532	140.982	145.956
<i>N</i>	3,538	846	732	874	744
Real education expenditures (12 months), boys 5-17 years	-14.672 (11.53)	98.364	100.047	152.758	160.720
<i>N</i>	3,956	951	803	1,010	840
Real education expenditures (12 months), all children 5-12 years	-13.210 (8.95)	88.590	88.951	131.717	136.802
<i>N</i>	5,877	1,440	1,213	1,448	1,225
Real education expenditures (12 months), girls 5-12 years	-15.717 (11.78)	91.333	89.502	126.434	133.548
<i>N</i>	2,789	677	587	687	573
Real education expenditures (12 months), boys 5-12 years	-10.966 (10.50)	86.155	88.434	136.494	139.662
<i>N</i>	3,088	763	626	761	652
Real education expenditures (12 months), all children 13-17 years	-8.653 (26.22)	148.744	151.946	199.232	212.094
<i>N</i>	1,617	357	322	436	359
Real education expenditures (12 months), girls 13-17 years	32.691 (38.31)	149.993	165.374	194.601	187.821
<i>N</i>	749	169	145	187	171
Real education expenditures (12 months), boys 13-17 years	-41.657 (28.77)	147.624	140.967	202.722	234.153
<i>N</i>	868	188	177	249	188

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

8. Reproductive health, birth history, contraception, and early marriage

Table 8.1: Impacts on pregnancy status, antenatal care, and fertility outcomes, all women aged 12-49 (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
# of total live births	-0.137* (0.07)	3.099	2.900	3.314	3.203
<i>N</i>	7,363	1,671	1,749	1,654	1,677
Ever had child die	0.011 (0.02)	0.177	0.191	0.252	0.254
<i>N</i>	7,363	1,671	1,749	1,654	1,677
Currently pregnant	0.018 (0.02)	0.091	0.111	0.100	0.107
<i>N</i>	7,333	1,669	1,745	1,646	1,664
ANC from skilled provider during current pregnancy	0.136* (0.07)	0.891	0.948	0.696	0.641
<i>N</i>	753	154	197	164	178
Number of antenatal care visits (including zeros) - current pregnancy	0.024 (0.33)	3.366	3.397	2.276	2.202
<i>N</i>	753	154	197	164	178
First month of antenatal care - current pregnancy	0.087 (0.23)	2.789	2.947	2.740	2.775
<i>N</i>	599	137	187	113	114

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 8.2: Impacts on contraceptive use and fertility preferences, all women aged 12-49 (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Currently using modern contraceptive	0.042 (0.03)	0.114	0.135	0.290	0.271
<i>N</i>	3,862	887	926	849	915
Currently using traditional contraceptive	-0.015 (0.01)	0.041	0.021	0.003	0.001
<i>N</i>	3,862	887	926	849	915
Currently using any contraceptive	0.035 (0.03)	0.141	0.152	0.294	0.272
<i>N</i>	3,862	887	926	849	915
Unmet need for family planning - no method	-0.011 (0.02)	0.133	0.086	0.153	0.116
<i>N</i>	3,862	887	926	849	915
Unmet need for family planning - modern method	-0.011 (0.02)	0.135	0.089	0.153	0.117

<i>N</i>	3,862	887	926	849	915
Ideal number of children	-0.080 (0.15)	6.157	6.004	6.429	6.276
<i>N</i>	4,537	1,011	1,091	1,010	1,089
Partner wants fewer children than woman	0.007 (0.01)	0.035	0.023	0.037	0.018
<i>N</i>	2,931	608	699	687	725
Partner wants same # children than woman	-0.031 (0.04)	0.616	0.606	0.466	0.477
<i>N</i>	2,931	608	699	687	725
Partner wants more children than woman	0.024 (0.04)	0.349	0.371	0.497	0.505
<i>N</i>	2,931	608	699	687	725

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 8.3: Impacts on Women's early marriage, women 12-24 years (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Married, all women 12-17 years at baseline	0.000 (0.02)	0.025	0.056	0.034	0.057
<i>N</i>	1,237	328	292	271	236
Married, all women 12-24 years at baseline	-0.042** (0.02)	0.385	0.512	0.417	0.561
<i>N</i>	2,681	620	696	528	599
Married (including women that left for marriage), all women 12-17 years at basel	0.003 (0.03)	0.025	0.056	0.100	0.113
<i>N</i>	1,237	328	292	271	236
Married (including women that left for marriage), all women 12-24 years at basel	-0.034 (0.02)	0.385	0.512	0.471	0.605
<i>N</i>	2,681	620	696	528	599

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 8.4: Impacts on Women's early marriage (since baseline), women 12-24 years (ATT, Single difference)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Married since baseline, all women 12-17 years at baseline	0.024 (0.02)	0.008	0.018
<i>N</i>		253	223
Married since baseline, all women 12-24 years at baseline	0.028	0.022	0.023

	(0.02)		
<i>N</i>		499	572
Married since baseline (including women that left for marriage), all women 12-17	0.003	0.074	0.073
	(0.05)		
<i>N</i>		271	236
Married since baseline (including women that left for marriage), all women 12-24	0.010	0.072	0.065
	(0.05)		
<hr/> <i>N</i> <hr/>		528	599

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

9. Women's empowerment, knowledge, and well-being

Table 9.1: Impacts on Women's empowerment, savings, main respondent (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)
Agency score	0.237 (0.15)	2.730	2.757	4.133	3.918
Believes life determined by own actions	0.055 (0.03)	0.555	0.592	0.655	0.637
Believes have power to make decisions - life course	0.032 (0.03)	0.575	0.589	0.717	0.695
Believes have power to make decisions - children's wellbeing	0.034 (0.03)	0.482	0.477	0.704	0.667
Believes have power to make decisions - household wellbeing	0.028 (0.04)	0.384	0.352	0.669	0.613
Believes capable protecting own interests within family	0.050 (0.04)	0.369	0.365	0.711	0.662
Believes capable protecting own interests outside family	0.038 (0.04)	0.364	0.382	0.676	0.645
Satisfied with life some/most/all of time	0.002 (0.04)	0.568	0.569	0.704	0.684
Believes life will be better in 1 year	0.035 (0.02)	0.785	0.806	0.887	0.874
Believes life will be better in 3 years	0.030 (0.02)	0.816	0.838	0.964	0.952
Believes life will be better in 5 years	0.003 (0.02)	0.818	0.828	0.966	0.965
Saving money	0.141*** (0.03)	0.067	0.091	0.390	0.269
Amount of money saved last month - excluding zeros (real)	9.735 (15.18)	56.199	56.090	31.381	23.761
Amount of money saved last month (real)	6.984*** (1.81)	3.774	5.108	11.709	6.206
<i>N</i>	4,540	1,011	1,091	1,011	1,091

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 9.2: Impacts on Women's social support and perceived stress, main respondent (ATT)

Dependent Variable	Program Impact (ATT)	Baseline Treated Mean	Baseline Control Mean	Endline Treated Mean	Endline Control Mean
	(1)	(2)	(3)	(4)	(5)

MOS-Social Support score(standardized)	3.885*** (1.44)	51.966	53.649	54.954	52.732
Cohen perceived stress scale	-0.321 (0.37)	31.792	31.744	30.524	30.853
<i>N</i>	4,540	1,011	1,091	1,011	1,091

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 9.3: Impacts on Women's stress and empowerment, main respondent (ATT, Single difference)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Enhanced Life Distress Index (0-39)	1.726* (0.95)	18.347	17.824
Woman level of control over her life	0.304 (0.21)	5.805	5.663
Woman level of decision-making ability	0.283 (0.22)	5.741	5.493
<i>N</i>		1,011	1,091

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 9.4: Impacts on Women's social capital, main respondent (ATT, Single difference)

Dependent Variable	Program Impact (ATT) (1)	Endline Treated Mean (2)	Endline Control Mean (3)
Social capital - sum z-scores	-0.061 (0.18)	0.132	-0.100
Woman positive perception of community relationship (agree)	-0.009 (0.04)	0.376	0.349
Feels part of the community (agree)	-0.105** (0.05)	0.377	0.392
Woman level of trust in the community (agree)	0.015 (0.04)	0.224	0.221
No. people would lend 50GH in case of emergency	-0.171 (0.22)	2.150	2.099
Respondent part of 1+ groups	0.172*** (0.05)	0.691	0.604
<i>N</i>		1,011	1,091

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 9.5: Impacts on Women's self-reported health, main respondent (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Fair/poor self-rated health	-0.012 (0.02)	0.241	0.236	0.129	0.137
Believes health is better than a	-0.051	0.462	0.436	0.524	0.530

year ago	(0.04)				
Has difficulty with ADL	0.028 (0.03)	0.509	0.510	0.390	0.383
# of ADLs easily performed (0-4)	-0.042 (0.11)	2.493	2.494	2.929	2.939
Woman easily performs ADLs	-0.028 (0.03)	0.491	0.490	0.610	0.617
Health score (PCA)	0.058 (0.13)	0.010	0.009	-0.019	-0.036
<i>N</i>	4,540	1,011	1,091	1,011	1,091

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 9.6: Impacts on Women's nutrition and feeding knowledge, main respondent (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Knows first food for newborn	-0.004 (0.01)	0.976	0.977	0.985	0.986
Knows to breastfeed immediately	0.032 (0.03)	0.663	0.676	0.782	0.770
Knows to breastfeed for 24 months or more	-0.017 (0.03)	0.803	0.769	0.310	0.283
Knows iron-rich foods	0.013 (0.02)	0.796	0.784	0.962	0.947
Knows vitamin A-rich foods	0.060* (0.03)	0.589	0.620	0.788	0.770
Knows diarrhea treatments	0.067* (0.04)	0.543	0.541	0.699	0.642
<i>N</i>	4,540	1,011	1,091	1,011	1,091

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

10. Women's experience of Intimate Partner Violence (IPV) and related help-seeking behaviours

Table 10.1: Impacts on Women's intimate partner violence, main respondent (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Experienced controlling behaviors-12 months	-0.024 (0.03)	0.814	0.816	0.817	0.825
Experienced emotional IPV-lifetime	-0.044 (0.03)	0.616	0.590	0.591	0.596
Experienced emotional IPV-12mo	-0.038 (0.03)	0.613	0.587	0.561	0.568
Experienced physical IPV-lifetime	-0.047 (0.03)	0.382	0.345	0.289	0.285
Experienced physical IPV-12mo	-0.045 (0.03)	0.380	0.345	0.289	0.285
Experienced sexual IPV-lifetime	-0.005 (0.02)	0.185	0.194	0.207	0.213
Experienced sexual IPV-12mo	-0.009 (0.02)	0.183	0.188	0.207	0.213
Experienced emotional/physical/sexual IPV-lifetime	-0.042 (0.03)	0.669	0.648	0.640	0.645
Experienced physical/sexual IPV-lifetime	-0.041 (0.03)	0.435	0.409	0.372	0.373
Experienced emotional/physical/sexual IPV-12 months	-0.038 (0.03)	0.667	0.644	0.621	0.626
Experienced physical/sexual IPV-12 months	-0.041 (0.03)	0.432	0.407	0.372	0.373
Current/last partner ever drinks	-0.009 (0.02)	0.201	0.176	0.214	0.203
Partner often drunk	-0.010 (0.01)	0.042	0.027	0.048	0.040
Partner sometimes/often drunk	-0.020 (0.02)	0.165	0.142	0.201	0.194
<i>N</i>	4,400	960	1,042	994	1,074

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance;

Table 10.2: Impacts on help seeking and reporting, main respondents who experienced intimate partner violence (IPV) (ATT)

Dependent Variable	Program Impact (ATT) (1)	Baseline Treated Mean (2)	Baseline Control Mean (3)	Endline Treated Mean (4)	Endline Control Mean (5)
Sought help/told someone about IPV	0.027	0.250	0.214	0.499	0.447

	(0.05)				
Told/sought help for IPV from friend	0.017	0.048	0.050	0.061	0.052
	(0.03)				
Told/sought help for IPV from family	0.025	0.152	0.131	0.312	0.270
	(0.04)				
Told/sought help for IPV from partner's family	0.007	0.128	0.103	0.278	0.254
	(0.04)				
Told/sought help for IPV from neighbor	0.003	0.002	0.000	0.013	0.008
	(0.01)				
Told/sought help for IPV from formal source	0.005	0.008	0.005	0.041	0.032
	(0.02)				
Told/sought help for IPV from informal source	0.033	0.249	0.213	0.499	0.442
	(0.05)				
<i>N</i>	2,061	552	593	368	399

Notes: t-stat in parentheses. * 10% significance ** 5% significance; *** 1% significance; Notes: 1 Formal source includes included police, doctor/health worker, priest/religious leader, counsellor, NGO/women's organization, or local leader