

Supplemental Tables

Table S1. Sample size by type of analysis, nutrition outcome, and control vs treatment.

	Year	Treatment			Control			Total		
<i>Household data</i>	2012	700			718			1418		
	2014	608			638			1246		
	2015	627			632			1259		
	Total	1,935			1988			3,923		
<i>Child data</i>		WAZ	HAZ	WHZ	WAZ	HAZ	WHZ	WAZ	HAZ	WHZ
Non-matched	2012	628	617	613	665	650	648	1,293	1267	1,261
	2014	560	549	553	581	568	572	1,141	1117	1,125
	2015	517	514	512	571	661	564	1,088	1075	1,076
	Total	1705	1680	1678	1817	1779	1784	3522	3469	3462
Matched on the household	2012	404	405	399	448	441	442	852	846	841
	2014	351	347	348	371	368	366	722	715	714
	2015	341	340	339	362	360	360	703	700	699
	Total	1096	1092	1086	1181	1169	1168	2277	2261	2254
Matched on the child	2012	175	172	171	173	173	172	348	345	343
	2014	303	299	302	292	288	287	595	587	589
	2015	272	271	270	290	284	285	562	555	555
	Total	750	742	743	755	745	744	1505	1487	1487

Table S2. Number of households with one child and more than one child (%) with anthropometry data across the treatment group and time.

	Treatment			Control		
	1 child		> 1 child	1 child		> 1 child
	n	N	%	N	n	%
2012	200	199	49%	247	195	44%
2014	164	184	53%	180	186	50%
2015	180	159	47%	183	177	49%
Total	544	542	50%	610	558	48%

Table S3. Descriptive statistics on nutrition outcome indicators across matched and non-matched children over time.

Indicator	2012		2014		2015	
	Not-matched	matched	Not-matched	matched	Not-matched	matched
<i>wasting (%)</i>	15.7 (12.5; 19.0)	14.1 (10.1; 18.1)	16.2 (12.2; 20.3)	12.8 (8.9; 16.6)	18.5 (13.8; 23.2)	15.6 (11.8; 19.4)
<i>Severe wasting (%)</i>	2.6 (1.5; 3.8)	3.5 (1.5; 5.5)	4.1 (1.8; 6.4)	3.2 (1.3; 5.1)	5.4 (0.6; 10.2)	3.8 (2.0; 5.5)
<i>WHZ</i>	-0.90 (-0.99; -0.81)	-0.90 (-1.05; -0.75)	-0.91 (-1.03; -0.78)	-0.86 (-0.97; -0.74)	-0.97 (-1.17; -0.78)	-0.96 (-1.08; -0.83)
<i>stunting (%)</i>	37.9 (33.0; 42.6)	39.2 (32.8-45.5)	42.8 (37.3-48.2)	44.9 (39.7-50.2)	39.5 (34.3-44.8)	41.6 (36.2-47.0)
<i>HAZ</i>	-1.42 (-1.59; -1.25)	-1.51 (-1.72; -1.30)	-1.72 (-1.91; -1.52)	-1.83 (-1.98; -1.67)	-1.53 (-1.65; -1.41)	-1.66 (-1.82; -1.49)
<i>underweight (%)</i>	29.9 (25.6; 34.1)	32.9 (26.3; 39.5)	36.7 (31.0; 42.5)	35.5 (30.5; 40.6)	30.7 (26.3; 35.1)	36.0 (30.6; 41.4)
<i>WAZ</i>	-1.42 (-1.55; -1.30)	-1.48 (-1.63; -1.33)	-1.66 (-1.79; -1.53)	-1.64 (-1.73; 1.54)	-1.54 (-1.67; -1.40)	-1.61 (-1.74; -1.48)

‡ mean with 95% confidence intervals in parentheses (controlling for population and design effect)
* p-value<0.05; ** p-value<0.01; *** p-value<0.001 (within time across group comparison)

Table S4. Descriptive statistics on nutrition outcome indicators by time and treatment.

Indicator	2012		2014		2015	
	Treatment	control	treatment	Control	treatment	control
<i>wasting (%)</i>	15.0 (10.9; 19.1)	15.6 (12.4; 18.7)	15.6 (11.6; 19.7)	13.5 (8.8; 18.1)	13.7 (9.5; 18.0)	19.5 (15.6; 23.5)
<i>Severe wasting (%)</i>	3.6 (2.0; 5.3)	2.1 (0.9; 3.3)	3.2 (1.3; 5.0)	4.0 (1.9; 6.1)	2.6 (0.2; 5.1)	6.0 (3.0; 9.0)
<i>WHZ</i>	-0.88 (-1.00; -0.76)	-0.91 (-1.02; -0.81)	-0.89 (-0.99; -0.79)	-0.87 (-1.02; -0.72)	-0.80* (-0.98; -0.63)	-1.09 (-1.24; -0.94)
<i>stunting (%)</i>	36.8 (29.2; 44.5)	39.4 (34.4-44.4)	45.9 (39.2-52.6)	42.2 (37.5-47.0)	37.6 (32.2-43.1)	42.9 (36.8-49.0)
<i>HAZ</i>	-1.40 (-1.62; -1.18)	-1.48 (-1.67; -1.29)	-1.88 (-2.11; -1.65)	-1.68 (-1.82; -1.54)	-1.57 (-1.70; -1.44)	-1.61 (-1.77; -1.46)
<i>underweight (%)</i>	29.8 (24.6; 35.0)	31.2 (26.6; 35.9)	35.6 (28.8; 42.5)	36.5 (32.5; 40.6)	28.7* (23.8; 33.6)	37 (33.1; 40.9)
<i>WAZ</i>	-1.40 (-1.54; -1.25)	-1.47 (-1.61; -1.34)	-1.69 (-1.84; -1.53)	-1.61 (-1.69; 1.53)	-1.46* (-1.59; -1.33)	-1.66 (-1.80; -1.52)

‡ mean with 95% confidence intervals in parentheses (controlling for population and design effect)
* p-value<0.05; ** p-value<0.01; *** p-value<0.001 (within time across group comparison)

Table S5. Crude regression on nutrition outcome indicators by sample (2012, 2014, and 2015).

Sample	Outcome indicator	Time	treatment	Time* treatment	# of children<5	constant	n
<i>Non-matched</i>	Wasting	0.07 (-0.04; 0.18)	0.05 (-0.30; 0.41)	-0.09 (-0.27; 0.08)		-1.76*** (2.00; -1.51)	3462
	Severe wasting	0.35* (0.03; 0.67)	0.58 (-0.21; 1.37)	-0.45 (-0.93; 0.02)		-3.82*** (-4.47; -3.18)	3462
	WHZ	-0.04* (-0.08; -0.00)	-0.00 (-0.16; 0.14)	0.06* (0.00; 0.13)		-0.88*** (-0.99; -0.78)	3462
	Stunting	0.04 (-0.01; 0.11)	-0.04 (-0.39; 0.31)	-0.00 (-0.15; 0.13)		-0.42*** (-0.58; -0.25)	3459
	HAZ	-0.05 (-0.10; 0.00)	0.03 (-0.23; 0.29)	0.03 (-0.14; 0.07)		-1.50*** (-1.66; -1.34)	3459
	Under-weight	0.08** (0.02; 0.14)	-0.03 (-0.34; 0.27)	-0.07 (-0.20; 0.04)		-0.76*** (-0.97; -0.55)	3522
	WAZ	-0.06*** (-0.09; -0.31)	0.03 (-0.15; 0.22)	0.01 (-0.05; 0.09)		-1.48*** (-1.59; -1.35)	3522
<i>Matched on the hh (worst-off child)</i>	Wasting	0.02 (-0.09; 0.15)	0.18 (-0.24; 0.62)	-0.14 (-0.32; 0.03)	0.48*** (-0.32; 0.65)	-2.53*** (-2.99; -2.07)	2254
	Severe wasting	0.28* (0.05; 0.51)	0.86* (0.20; 1.53)	-0.63*** (-0.96; -0.30)	0.55*** (0.29; 0.81)	-4.80*** (-5.72; -3.89)	2254
	WHZ	-0.01 (-0.06; 0.02)	-0.06 (-0.25; 0.11)	0.08** (0.02; 0.14)	-0.25*** (-0.31; -0.19)	-0.72*** (-0.88; 0.55)	2258
	Stunting	-0.03 (-0.06; 0.13)	-0.24 (-0.56; 0.07)	0.06 (-0.07; 0.20)	0.34*** (0.21; 0.47)	-0.62*** (-0.94; -0.30)	2261
	HAZ	0.03 (-0.09; 0.03)	0.08 (-0.14; 0.31)	-0.04 (-0.14; 0.05)	-0.26*** (-0.35; -0.17)	-1.45 (-1.67; -1.22)	2261
	Under-weight	0.09 (-0.00; 0.19)	0.00 (-0.34; 0.35)	-0.08 (-0.23; 0.06)	0.36*** (0.22; 0.50)	-1.14*** (-1.50; -0.78)	2277
	WAZ	-0.03 (-0.08; 0.00)	0.01 (-0.15; 0.19)	0.01 (-0.04; 0.08)	-0.20*** (-0.26; -0.13)	-1.38*** (-1.55; -1.21)	2277
<i>Matched on the child</i>	Wasting	0.05 (-0.13; 0.25)	0.38 (-0.28; 1.05)	-0.24 (-0.52; 0.03)		-2.14*** (-2.66; -1.62)	1487
	Severe wasting	0.36 (-0.02; 0.75)	1.26* (0.11; 2.41)	-0.88*** (-1.41; -0.35)		-4.05*** (-5.27; -2.83)	1487
	WHZ	-0.03 (-0.10; 0.02)	-0.13 (-0.39; 0.12)	0.10* (0.01; 0.20)		-0.89*** (-1.07; 0.70)	1487
	Stunting	0.05 (-0.09; 0.21)	-0.05 (-0.61; 0.46)	0.05 (-0.15; 0.27)		-0.59** (-0.97; 0.21)	1487
	HAZ	-0.07 (-0.16; 0.09)	-0.12 (-0.44; 0.19)	0.02 (-0.10; 0.14)		-1.46*** (-1.68; -1.23)	1487
	Under-weight	0.20* (0.03; 0.37)	0.52 (-0.07; 1.12)	-0.30* (-0.54; -0.06)		-1.23*** (-1.55; -0.40)	1505
	WAZ	-0.07* (-0.13; 0.00)	-0.13 (-0.36; 0.09)	0.06 (-0.02; 0.15)		-1.42*** (-1.58; -1.26)	1505

‡ coefficient with confidence intervals in parentheses (controlling for population and design effect); **bold** numbering means it is significant at p-value<0.05

* p-value<0.05; ** p-value<0.01; *** p-value<0.001 (within time across group comparison)

Table S6. Descriptive statistics for nutrition outcome indicators for matched (child and household) data.

category	indicator	2012		2014		2015	
		Treatment	control	treatment	control	treatment	control
<i>wasting (%)</i>	Worst off child	21.0 (15.5; 2646)	21.3 (16.8; 25.8)	22.5 (18.0; 26.9)	20.3 (13.9; 26.6)	18.0* (12.0; 24.1)	27.1 (21.3; 33.0)
	Average child	14.2 (10.2; 18.3)	15.3 (12.3; 18.3)	15.4 (11.7; 19.0)	13.7 (9.2; 18.2)	12.8 (8.3; 17.3)	17.9 (14.7; 21.1)
	Best off child	7.9 (4.3; 11.4)	9.6 (7.1; 12.1)	9.4 (4.9; 13.9)	7.6 (4.0; 11.2)	7.5 (3.4; 11.6)	10.7 (8.3; 13.0)
	Matched child	15.5 (10.0; 21.0)	12.7 (6.7; 18.6)	11.8 (7.1; 16.6)	13.6 (7.6; 16.6)	13.4 (8.9; 17.9)	17.3 (11.5; 23.1)
<i>Severe wasting (%)</i>	Worst off child	5.5 (2.9; 8.1)	3.1 (1.4; 4.8)	5.2 (2.0; 8.3)	6.5 (3.1; 9.8)	3.0* (0.4; 5.5)	9.6 (4.1; 15.1)
	Average child	3.2 (1.6; 4.8)	3.2 (1.6; 4.8)	2.2 (0.9; 3.6)	4.4 (2.0; 6.8)	1.9* (0.2; 3.6)	5.6 (2.5; 8.7)
	Best off child	1.1 (0.2; 2.1)	1.5 (0.0; 2.9)	0	2.5 (0.4; 4.6)	0.6 (0.3; 1.6)	3.0 (0.6; 5.3)
	Matched child	4.9 (1.9; 8.0)	2.0 (0.4; 4.5)	1.3 (0.4; 3.0)	4.9 (1.8; 8.0)	2.4 (0.0; 5.0)	4.8 (2.3; 7.2)
	Worst off child	-1.20 (-1.36; -1.05)	-1.17 (-1.27; -1.07)	-1.15 (-1.29; -1.01)	-1.23 (-1.39; -1.06)	-1.04** (-1.20; -0.88)	-1.40 (-1.61; -1.19)
WHZ	Average child	-0.88 (-1.01; -0.75)	-0.93 (-1.03; -0.83)	-0.83 (-0.93; -0.73)	-0.92 (-1.06; -0.77)	-0.77* (-0.94; -0.60)	-1.07 (-1.23; -0.91)
	Best off child	-0.55 (-0.70; -0.41)	-0.69 (-0.80; -0.58)	-0.51 (-0.64; -0.39)	-0.60 (-0.75; -0.46)	-0.50* (-0.70; -0.30)	-0.78 (-0.92; -0.64)
	Matched child	-0.96 (-1.18; -0.74)	-0.83 (-1.03; -0.63)	-0.79 (-0.96; -0.63)	-0.91 (-1.08; -0.75)	-0.81* (-1.00; -0.63)	-1.07 (-1.21; -0.93)
<i>stunting (%)</i>	Worst off child	47.3 (39.6; 54.9)	49.2 (44.4; 54.0)	57.2 (49.3; 65.1)	55.1 (50.4; 59.8)	47.2 (41.0; 53.4)	52.0 (47.2; 56.8)
	Average child	36.5 (29.7; 43.3)	41.4 (35.7; 47.1)	45.0 (38.7; 51.3)	44.4 (39.8; 49.0)	37.7 (31.3; 44.1)	42.0 (36.8; 47.2)
	Best off child	26.5 (20.1; 33.0)	34.4 (27.3; 41.6)	32.9 (27.3; 38.5)	34.3 (29.8; 38.8)	28.5 (20.9; 36.0)	32.4 (26.7; 38.0)
	Matched child	40.8 (30.4; 51.3)	37.5 (30.7; 44.3)	46.8 (39.4; 54.2)	43.2 (36.4; 50.1)	40.2 (32.8; 47.6)	42.7 (35.3; 50.1)
	Worst off child	-1.83 (-2.04; -1.63)	-1.93 (-2.12; -1.73)	-2.30 (-2.55; -2.04)	-2.14 (-2.31; -1.96)	-2.00 (-2.14; -1.85)	-1.97 (-2.11; -1.84)
HAZ	Average child	-1.40 (-1.59; -1.21)	-1.56 (-1.77; -1.35)	-1.86 (-2.09; -1.64)	-1.73 (-1.89; -1.56)	-1.62 (-1.76; -1.48)	-1.58 (-1.72; -1.44)
	Best off child	-0.97 (-1.18; -0.77)	-1.20 (-1.44; -0.96)	-1.42 (-1.65; -1.20)	-1.31 (-1.51; -1.12)	-1.25 (-1.42; -1.08)	-1.21 (-1.37; -1.05)
	Matched child	-1.61 (-1.95; -1.27)	-1.41 (-1.61; -1.20)	-1.96 (-2.20; -1.71)	-1.71 (-1.88; -1.53)	-1.62 (-1.84; -1.40)	-1.69 (-1.92; -1.46)
	Worst off child	39.7 (33.4; 45.9)	39.8 (34.5; 45.0)	45.3 (36.8; 53.8)	48.8 (43.5; 54.1)	36.6* (30.2; 43.0)	47.1 (41.5; 52.7)
	Average child	30.3 (25.0; 35.6)	33.2 (28.1; 38.4)	34.4 (27.3; 41.6)	39.0 (34.4; 43.7)	28.3* (23.0; 33.6)	36.4 (32.1; 40.7)
<i>underweight (%)</i>	Best off child	21.4 (16.0; 26.7)	26.8 (21.6; 32.0)	23.8 (16.6; 31.0)	29.5 (24.6; 34.4)	20.3* (15.4; 25.3)	27.8 (22.5; 31.5)
	Matched child	39.6* (30.8; 48.4)	25.9 (17.3; 34.4)	32.7 (23.1; 42.3)	38.1 (33.3; 42.9)	29.8* (23.2; 36.3)	40.8 (34.2; 47.5)
	Worst off child	-1.70	-1.75	-1.95	-1.95	-1.71*	-1.94
	WAZ						

	(-1.86; -1.54)	(-1.88; -1.63)	(-2.15; -1.76)	(-2.05; -1.85)	(-1.85; -1.56)	(-2.1; -1.79)
Average child	-1.40	-1.52	-1.64	-1.65	-1.45*	-1.63
	(-1.55; -1.25)	(-1.66; -1.37)	(-1.80; -1.48)	(-1.75; -1.56)	(-1.58; -1.32)	(-1.77; -1.50)
Best off child	-1.10	-1.29	-1.33	-1.36	-1.20	-1.35
	(-1.26; -0.93)	(-1.46; -1.12)	(-1.49; -1.17)	(-1.48; -1.25)	(-1.34; -1.05)	(-1.50; -1.20)
Matched child	-1.60	-1.35	-1.65	-1.62	-1.51	-1.68
	(-1.80; -1.39)	(-1.55; -1.16)	(-1.82; -1.48)	(-1.73; -1.51)	(-1.66; -1.37)	(-1.86; -1.50)

‡ mean with 95% confidence intervals in parentheses (controlling for population and design effect)

* p-value<0.05; ** p-value<0.01; *** p-value<0.001 (within time across group comparison)

Table S7. Regression on nutrition outcome indicators for matched household data: worst-off and best-off-child (2012, 2014, 2015) only for households that have 2 or more children.

Sample	Outcome indicator	time	treatment	Time* treatment	# of children<5	Female child	Age (in months)	Child<5 died in hh	constant	N
<i>Worst off child</i>	Wasting	0.09 (-0.07; 0.27)	0.28 (-0.29; 0.86)	-0.19 (-0.44; 0.05)	0.26 (-0.02; 0.56)	-0.03 (-0.29; 0.36)	0.01* (0.00; 0.02)	-1.12* (-2.14; -0.09)	-2.32*** (-3.25; -1.38)	1100
	Severe wasting	0.32* (-0.01; 0.63)	1.12* (0.23; 2.02)	-0.61** (-1.04; -0.19)	0.52* (0.12; 0.91)	-0.09 (-0.40; 0.59)	-0.01 (-0.00; 0.02)	0.00 (-1.32; 1.32)	-5.25*** (-6.90; -3.60)	1100
	WHZ	0.04 (-0.10; 0.02)	-0.15 (-0.38; 0.07)	0.07 (-0.01; 0.16)	-0.16** (-0.27; -0.05)	-0.04 (-0.16; 0.07)	-0.00** (-0.01; -0.00)	0.00 (-0.30; 0.30)	-0.81*** (-1.15; -0.48)	1100
	Stunting	-0.08 (-0.06; 0.23)	0.00 (-0.45; 0.46)	0.07 (-0.13; 0.29)	-0.04 (-0.29; 0.21)	-0.27 (-0.55; 0.00)	-0.00 (-0.01; 0.00)	0.67 (-0.10; 1.44)	0.56 (-0.20; 1.33)	1100
	HAZ	0.04 (-0.13; 0.04)	-0.08 (-0.36; 0.19)	-0.02 (-0.15; 0.11)	-0.00 (-0.16; 0.15)	0.20* (0.03; 0.37)	0.00 (-0.00; 0.01)	-0.35 (-0.80; 0.08)	-2.41 (-2.88; -1.94)	1100
	Under- weight	0.22** (0.06; 0.38)	0.35 (-0.12; 0.83)	-0.11 (-0.33; 0.11)	0.13 (-0.14; 0.40)	-0.39** (-0.69; -0.09)	-0.01** (-0.02; -0.00)	0.60 (-0.17; 1.39)	-0.08 (-0.88; 0.70)	1100
	WAZ	-0.07* (-0.13; -0.00)	-0.12 (-0.33; 0.09)	0.02 (-0.06; 0.12)	-0.09 (-0.20; 0.02)	0.19** (0.06; 0.32)	0.00* (0.00; 0.00)	-0.22 (-0.54; 0.10)	-1.97*** (-2.31; -1.63)	1100
<i>Best off child</i>	Wasting	0.30 (-0.11; 0.72)	0.47 (-0.85; 1.81)	-0.26 (-0.83; 0.31)	-0.27 (-0.98; 0.44)	-0.38 (-1.13; 0.35)	0.00 (-0.01; 0.03)	-0.78 (-3.16; 1.59)	-4.31 (-6.70; -1.91)	1100
	Severe wasting	1.47 (-0.42; 3.37)	2.73 (-3.05; 8.52)	-1.54 (-3.73; 0.64)	-0.06 (-1.50; 1.37)	0.89 (-0.76; 2.55)	0.04 (-0.01; 0.10)	-13.0 (-1582; 1556)	-10.3 (-17.2; -3.49)	1100
	WHZ	-0.04 (-0.11; -0.01)	-0.00 (-0.25; 0.26)	-0.01 (-0.10; 0.08)	0.05 (-0.05; 0.17)	0.07 (-0.19; 0.05)	-0.00** (-0.01; -0.00)	0.05 (-0.27; 0.37)	-0.16 (-0.53; 0.19)	1100
	Stunting	0.00 (-0.18; 0.18)	-0.25 (-0.87; 0.35)	0.21 (-0.05; 0.48)	-0.42* (-0.78; -0.07)	0.08 (-0.42; 0.25)	-0.00 (-0.01; 0.00)	0.36 (-0.44; 1.17)	-0.61 (-1.56; 0.33)	1110
	HAZ	-0.06 (-0.15; 0.02)	-0.00 (-0.29; 0.28)	-0.09 (-0.22; 0.03)	0.30*** (0.14; 0.46)	-0.01 (-0.18; 0.16)	-0.00** (-0.01; -0.00)	0.08 (-0.36; 0.53)	-0.94*** (-1.40; -0.47)	1110
	Under- weight	0.14 (-0.08; 0.37)	-0.04 (-0.80; 0.70)	0.00 (-0.32; 0.33)	-0.31 (-0.72; 0.09)	-0.63** (-1.07; -0.18)	-0.00 (-0.01; 0.01)	0.49 (-0.50; 1.50)	-1.57 (-2.75; -0.39)	1100
	WAZ	-0.05 (-0.11; 0.00)	0.04 (-0.16; 0.24)	-0.05 (-0.13; 0.02)	0.16** (0.10; 0.30)	0.14* (0.03; 0.26)	-0.00 (-0.00; 0.00)	-0.00 (-0.29; 0.29)	-1.34 (-1.65; -1.04)	1100

‡ coefficient with confidence intervals in parentheses (controlling for population and design effect); **bold** numbering means it is significant at p-value<0.05

* p-value<0.05; ** p-value<0.01; *** p-value<0.001 (within time across group comparison)