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## APPENDIX

**Table A.1 Reference Value of Weight for Age for Children**

( WHO recommended)

Age (Month)	Male		Female	
	Median ( kg )	S.D. ( kg )	Median ( kg )	S.D. ( kg )
0	3.3	0.40	3.2	0.50
1	4.3	0.70	4.0	0.60
2	5.2	0.85	4.7	0.70
3	6.0	0.95	5.4	0.75
4	6.7	1.00	6.0	0.75
5	7.3	1.00	6.7	0.85
6	7.8	0.95	7.2	0.85
7	8.3	0.95	7.7	0.90
8	8.8	0.95	8.2	0.95
9	9.2	1.00	8.6	1.00
10	9.5	0.95	8.9	1.00
11	9.9	1.00	9.2	1.00
12	10.2	1.05	9.5	1.05
13	10.4	1.05	9.8	1.10
14	10.7	1.10	10.0	1.10
15	10.9	1.10	10.2	1.10
16	11.1	1.15	10.4	1.10
17	11.3	1.15	10.6	1.15
18	11.5	1.20	10.8	1.15
19	11.7	1.25	11.0	1.20
20	11.8	1.20	11.2	1.20
21	12.0	1.25	11.4	1.20
22	12.2	1.25	11.5	1.20
23	12.4	1.30	11.7	1.20
24	12.5	1.30	11.9	1.25
25	12.6	1.20	12.0	1.20
26	12.7	1.20	12.2	1.20
27	12.9	1.25	12.4	1.25
28	13.1	1.30	12.6	1.25
29	13.3	1.35	12.8	1.30

Table A.1 (continued)

Age (Month)	Male		Female	
	Median ( kg )	S.D. ( kg )	Median ( kg )	S.D. ( kg )
30	13.5	1.40	13.0	1.35
31	13.7	1.40	13.2	1.35
32	13.9	1.45	13.4	1.40
33	14.1	1.50	13.6	1.40
34	14.3	1.55	13.8	1.45
35	14.4	1.55	13.9	1.45
36	14.6	1.60	14.1	1.45
37	14.8	1.65	14.3	1.50
38	15.0	1.65	14.4	1.50
39	15.2	1.70	14.6	1.55
40	15.3	1.70	14.8	1.60
41	15.5	1.75	14.9	1.55
42	15.7	1.80	15.1	1.60
43	15.8	1.75	15.2	1.60
44	16.0	1.80	15.4	1.65
45	16.2	1.85	15.5	1.65
46	16.4	1.90	15.7	1.70
47	16.5	1.85	15.8	1.70
48	16.7	1.90	16.0	1.70
49	16.9	1.95	16.1	1.70
50	17.0	1.95	16.2	1.70
51	17.2	1.95	16.4	1.75
52	17.4	2.00	16.5	1.75
53	17.5	2.00	16.7	1.80
54	17.7	2.00	16.8	1.80
55	17.9	2.05	17.0	1.85
56	18.0	2.05	17.1	1.85
57	18.2	2.10	17.2	1.85
58	18.3	2.05	17.4	1.90
59	18.5	2.10	17.5	1.90

**Table A.2 Reference Value of Height for Age for Children**

(WHO recommended)

Age (Month)	Male		Female	
	Median ( cm )	S.D. ( cm )	Median ( cm )	S.D. ( cm )
0	50.5	2.30	49.9	2.20
1	54.6	2.45	53.5	2.25
2	58.1	2.60	56.8	2.40
3	61.1	2.65	59.5	2.45
4	63.7	2.70	62.0	2.55
5	65.9	2.70	64.1	2.60
6	67.8	2.70	65.9	2.65
7	69.5	2.70	67.6	2.70
8	71.0	2.65	69.1	2.70
9	72.3	2.65	70.4	2.70
10	73.6	2.65	71.8	2.80
11	74.9	2.65	73.1	2.80
12	76.1	2.70	74.3	2.85
13	77.2	2.70	75.5	2.85
14	78.3	2.75	76.7	2.95
15	79.4	2.85	77.8	2.95
16	80.4	2.90	78.9	3.00
17	81.4	2.95	79.9	3.05
18	82.4	3.05	80.9	3.05
19	83.3	3.10	81.9	3.10
20	84.2	3.15	82.9	3.15
21	85.1	3.20	83.8	3.20
22	86.0	3.30	84.7	3.20
23	86.4	3.25	85.3	3.25
24	86.8	3.30	85.6	3.25
25	87.2	3.30	86.2	3.30
26	87.6	3.35	86.5	3.30
27	88.1	3.40	87.0	3.35
28	88.9	3.45	87.9	3.45
29	89.6	3.45	88.7	3.45

Table A.2 (continued)

Age (Month)	Male		Female	
	Median ( cm )	S.D. ( cm )	Median ( cm )	S.D. ( cm )
30	90.4	3.50	89.5	3.50
31	91.2	3.55	90.3	3.60
32	92.0	3.65	91.0	3.60
33	92.7	3.65	91.8	3.65
34	93.5	3.75	92.5	3.65
35	94.2	3.75	93.2	3.70
36	94.9	3.80	94.0	3.75
37	95.6	3.85	94.6	3.75
38	96.3	3.85	95.3	3.80
39	97.0	3.90	96.0	3.80
40	97.7	3.95	96.6	3.80
41	98.4	4.00	97.3	3.85
42	99.1	4.05	97.9	3.85
43	99.7	4.05	98.6	3.95
44	100.4	4.15	99.0	3.95
45	101.0	4.15	99.2	3.65
46	101.7	4.20	100.4	4.00
47	102.3	4.20	101.0	4.00
48	102.9	4.25	101.6	4.05
49	103.6	4.30	102.2	4.05
50	104.2	4.35	102.7	4.05
51	104.8	4.35	103.3	4.10
52	105.4	4.40	103.9	4.15
53	106.0	4.45	104.5	4.20
54	106.6	4.45	105.0	4.15
55	107.1	4.45	105.6	4.25
56	107.6	4.50	106.2	4.30
57	108.3	4.55	106.7	4.30
58	108.8	4.55	107.3	4.35
59	109.4	4.60	107.8	4.35



**Table A.3 Source Data Matrix for Correlation Analysis**

obs	DDP	HAZ	WAZ	WHZ
1	90.34604	0.443088	0.486746	0.319620
2	85.65355	0.135237	0.218504	0.221546
3	93.10284	0.317802	0.658741	0.682593
4	89.15207	0.193525	0.303300	0.317425
5	91.22580	0.271172	0.256340	0.161938
6	91.01928	0.268475	0.053850	-0.079425
7	87.31102	-0.588515	-0.331262	0.066980
8	90.46893	0.697363	0.998646	0.716508
9	89.25131	0.335376	0.101150	-0.042887
10	90.90793	-0.172114	-0.237886	-0.097189
11	92.89530	-0.428359	-0.441641	-0.179823
12	87.72896	-0.205221	-0.454828	-0.375417
13	89.26444	-0.169722	-0.246079	-0.108422
14	91.57877	-0.690045	-0.644417	-0.217287
15	74.90189	-0.448776	-0.167882	0.217576
16	79.74191	-0.780436	-0.496416	0.028717
17	82.41777	-0.934360	-0.572674	0.029483
18	88.81040	-0.474390	-0.141784	0.240915
19	76.51983	-0.601866	-0.600323	-0.223582
20	75.08284	-0.502350	-0.396025	-0.054725
21	65.67935	-1.000319	-0.653725	-0.045196
22	63.87085	-1.038441	-0.613564	0.085965
23	62.69398	-1.441133	-0.960074	-0.106626
24	66.45520	-1.408775	-1.269125	-0.508225
25	74.83872	-0.327000	0.238200	0.596275
26	82.77884	-0.877640	0.108735	1.015645
27	74.20584	-1.114214	-0.636259	0.126633
28	64.51734	-0.907000	-0.482167	0.148381
29	77.73510	-1.417706	-1.182968	-0.381845
30	73.51868	-1.587184	-1.253699	-0.341432
31	76.05368	-1.230121	-1.312324	-0.713438
32	69.83779	-1.698325	-1.568750	-0.649600
33	78.40364	-1.230072	-1.092188	-0.400024
34	74.57903	-1.413619	-1.053457	-0.218747
35	74.16159	-1.234679	-0.908100	-0.175867
36	55.37941	-2.408288	-1.737767	-0.217320
37	61.10488	-1.026602	-0.999880	-0.448145
38	65.26541	-1.269901	-1.120420	-0.410346
39	62.27246	-1.704171	-1.359698	-0.393819
40	68.53074	-1.199551	-0.612943	0.161446

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