

Appendix-3a

WEIGHT FOR AGE (KG) FOR CHILDREN AGED 5-9.5 YEARS (SEXES COMBINED) AS PERCENTAGES OF REFERENCE (NCHS/WHO DATA) AND AS STANDARD DEVIATIONS

Age	Weight (kg)					
	120%	Reference	80%	+2SD	Reference	-2SD
5.0	21.8	18.2	14.6	23.4	18.2	14.1
5.5	22.9	19.1	15.3	24.8	19.1	14.8
6.0	24.1	20.1	16.1	26.4	20.1	15.5
6.5	25.4	21.2	17.0	28.2	21.2	16.2
7.0	26.8	22.3	17.8	30.2	22.3	17.0
7.5	28.3	23.6	18.9	32.5	23.6	17.7
8.0	30.1	25.1	20.1	35.1	25.1	18.5
8.5	31.9	26.6	21.3	37.0	26.6	19.3
9.0	34.0	28.3	22.6	41.0	28.3	20.1
9.5	36.1	30.1	24.1	44.2	30.1	21.0

Source: Jelliffe (1989), Page 539

Appendix-3b

WEIGHT FOR AGE (KG) OF CHILDREN AGED 10-18 YEARS (SEXES SEPARATE) AS PERCENTAGES OF REFERENCE (NCHS/WHO DATA)

Age (years)	Weight (kg)					
	Boys			Girls		
	120%	Reference	80%	120%	Reference	80%
10.0	37.7	31.4	25.1	39.0	32.5	26.0
10.5	40.0	33.3	26.6	41.6	34.7	27.8
11.0	42.4	35.3	28.2	44.4	37.0	29.6
11.5	45.0	37.5	30.0	47.0	39.2	31.4
12.0	47.8	39.8	31.8	49.8	41.5	33.4
12.5	50.8	42.3	33.8	52.6	43.8	35.0
13.0	54.0	45.0	36.0	55.3	46.1	36.9
13.5	57.4	47.8	38.2	58.0	48.3	38.6
14.0	61.0	50.8	40.6	60.4	50.3	40.2
14.5	64.6	53.8	43.0	62.5	52.1	41.7
15.0	68.0	56.7	45.4	64.4	53.7	43.0
15.5	71.4	59.5	47.6	66.0	55.0	44.0
16.0	74.5	62.1	49.7	67.1	55.9	44.7
16.5	77.3	64.4	51.5	67.7	56.4	45.1
17.0	79.6	66.3	53.0	68.0	56.7	45.4
17.5	81.4	67.8	54.2	68.0	56.7	45.4
18.0	82.7	68.9	55.1	67.9	56.6	45.3

Source: Jelliffe (1989), Page 535

Appendix-3c

HEIGHT FOR AGE (CM) FOR CHILDREN AGED 5-9.5 YEARS (SEXES COMBINED) AS PERCENTAGES OF REFERENCE (NCHS/WHO DATA) AND AS STANDARD DEVIATIONS.

Age (Years)	Weight (kg)					
	110%	Reference	90%	+2SD	Reference	-2SD
5.0	120.1	109.2	98.3	118.2	109.2	100.1
5.5	123.5	112.3	101.1	121.7	112.3	102.9
6.0	126.9	115.4	103.9	125.1	115.4	105.6
6.5	130.1	118.3	106.5	128.5	118.3	108.1
7.0	133.2	121.1	109.0	131.7	121.1	110.6
7.5	136.3	123.9	111.5	134.9	123.9	112.9
8.0	139.4	126.7	114.0	138.1	126.7	115.3
8.5	142.3	129.4	116.5	141.2	129.4	117.6
9.0	145.4	132.2	119.0	144.4	132.2	120.0
9.5	148.5	135.0	121.5	147.6	135.0	122.5

Source: Jelliffe (1989), Page 537

Appendix-3d

HEIGHT FOR AGE (CM) OF CHILDREN AGED 10-18 YEARS (SEXES SEPARATE) AS STANDARD DEVIATIONS FROM REFERENCE (NCHS/WHO DATA)

Age	Height (cm)					
	Boys			Girls		
	+2SD	Reference	-2SD	+2SD	Reference	-2SD
10.0	149.7	137.5	125.3	152.0	138.5	124.6
10.5	153.1	140.3	127.6	155.3	141.5	127.6
11.0	156.7	143.3	129.9	158.7	144.8	130.9
11.5	160.5	146.4	132.2	162.0	148.2	134.4
12.0	164.7	149.7	134.6	165.2	151.5	137.9
12.5	168.9	153.0	137.2	168.0	154.6	141.1
13.0	173.0	156.5	134.9	170.5	157.1	143.8
13.5	176.9	159.9	142.8	172.4	159.0	145.7
14.0	180.2	163.1	146.0	173.7	160.4	147.0
14.5	183.0	166.2	149.4	174.7	161.2	147.8
15.0	185.1	169.0	152.9	175.3	161.8	148.3
15.5	186.7	171.5	156.2	175.6	162.1	148.7
16.0	187.9	173.5	159.2	175.7	162.4	149.1
16.5	188.8	175.2	161.5	175.8	162.7	149.7
17.0	189.4	176.2	163.1	175.7	163.1	150.4
17.5	189.8	176.7	163.7	175.7	163.4	151.1
18.0	190.0	176.8	163.6	175.6	163.7	151.8

Source: Jelliffe (1989), Page 538

Appendix-3e

MID ARM CIRCUMFERENCE MEASUREMENTS (MM) IN PEOPLE AGED 5-75
YEARS (SEXES SEPARATE). UST NHANES

A. Mid arm Circumference (mm) Males

Age (Years)	100%	90%	85%	80%	70%	60%
5-5.5	175	158	149	140	122	105
6-6.5	179	161	152	143	125	107
7-7.5	187	168	159	150	131	112
8-8.6	190	171	162	152	133	114
9-9.5	200	180	170	160	140	120
10-10.5	210	189	179	168	147	126
11-11.5	223	201	190	178	156	134
12-12.5	232	209	197	186	162	139
13-13.5	247	222	210	198	173	148
14-14.5	253	228	215	202	177	152
15-15.5	264	238	224	211	185	158
16-16.5	278	250	236	222	195	167
17-17.5	285	257	242	228	200	171
18-18.5	297	261	252	238	208	178

Source: Jelliffe (1989), Page 549

B. Mid arm Circumference (mm) Females

Age (Years)	100%	90%	85%	80%	70%	60%
5-5.5	175	158	149	140	122	105
6-6.5	176	158	150	141	123	106
7-7.5	181	163	154	145	127	109
8-8.5	195	176	166	156	137	117
9-9.5	211	190	179	169	148	127
10-10.5	210	189	179	168	147	126
11-11.5	224	202	190	179	157	134
12-12.5	237	213	201	190	166	142
13-13.5	243	219	207	194	170	146
14-14.5	252	227	214	202	176	151
15-15.5	254	229	216	203	178	152
16-16.5	258	232	219	206	181	155
17-17.5	264	238	224	211	185	158
18-18.5	258	232	219	206	181	155

Source: Jelliffe (1989), Page 549

Appendix-3f

* MEAN WEIGHT OF THE BANGLADESHI PRIMARY SCHOOL CHILDREN BY AGE AND THEIR COMPARISON WITH THE REFERENCE NCHS DATA.

Age (Years)	No. of children	Weight (kg) Mean	Reference median wt. for age (kg)	% of reference weight for age
5	4	17.5	18.2	96.15
6	15	16.6	20.7	80.19
7	65	20.6	22.9	89.95
8	69	21.5	25.3	84.98
9	88	20.5	28.1	72.73
10	110	25.3	31.4	80.73
11	112	26.8	36.1	74.13
12	50	25.9	40.6	63.79
13	12	33.9	45.5	74.50
14	13	36.7	50.5	72.67
15	4	32.7	55.2	59.92
16	2	41.5	59.0	70.33
All	544	26.62	36.1	73.3

* Based on the data of this study.