

Appendix - 4

Data from Bayer and Bayley (1959) and Hansman (1970)

Anthropometric measurements of pre-school age American children.

(Bayer and Bayley, 1959).

Age in years	Weight kg.	Stature cm.	Sitting Height cm.	Shoulder diameter	Sitting Height Stature $\times 100$
<u>Boys</u>					
2 (1.5 - 2.4 years)	M 13.4 SD (1.6)	89.6 (3.8)	55.3 (2.1)	21.5 (0.9)	61.0 (1.6)
3 (2.5 - 3.4 years)	15.3 (1.5)	96.8 (4.2)	57.6 (2.4)	22.6 (1.1)	59.4 (1.6)
4	17.3 (1.8)	104.7 (4.7)	60.4 (2.5)	23.4 (1.2)	57.8 (1.6)
5	19.6 (2.3)	111.2 (4.6)	62.8 (2.4)	24.8 (1.2)	56.6 (0.8)
6	22.2 (2.8)	118.6 (4.8)	65.8 (2.6)	25.9 (1.1)	55.4 (1.4)
<u>Girls</u>					
2	12.5 (1.3)	85.4 (3.8)	54.9 (1.6)	21.4 (0.6)	60.4 (1.4)
3	15.1 (1.7)	95.9 (3.9)	56.6 (2.0)	22.9 (0.9)	58.6 (1.4)
4	17.4 (2.0)	103.5 (4.0)	59.7 (2.0)	23.8 (1.1)	57.5 (1.4)
5	19.5 (2.3)	111.1 (4.2)	62.5 (2.2)	24.9 (1.2)	56.1 (1.4)
6	22.4 (2.8)	118.1 (4.5)	65.4 (2.3)	25.7 (1.4)	55.6 (1.3)

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Males

Age	Height in cm.	Weight in kg.	Sitting Height in cm.	Fronto occipital circumference in cm.	Xiphisternal circumference in cm.	Biacromial width in cm.	Forearm circumference 50th percentile	Biceps 50th percentile	Calf circumference	Height increments	Weight increments
Years -Months	N53-91	N88-91	N51-91	N52-91	N53-91	N64-68	N80-87	N48-86	N58-98	N95-98	
2 - 0	M 86.2 SD 2.97	12.5 1.26	51.9 1.93	49.2 1.19	48.9 2.67	20.4 1.14	15.6	15.8	19.9		
2 - 6	90.8 3.00	13.6 1.32	54.0 1.75	49.8 1.16	50.0 2.18	21.2 1.13	15.8	16.2	20.2	4.57	1.11
3 - 0	95.2 3.24	14.6 1.40	55.4 1.87	50.3 1.15	50.8 2.06	22.0 1.04	16.1	16.2	20.6	4.30	1.01
3 - 6	98.6 3.03	15.5 1.40	56.7 1.89	50.7 1.14	51.6 2.16	22.5 1.01	16.0	16.2	20.8	3.70	1.00
4 - 0	102.3 2.88	16.4 1.48	58.0 1.86	51.0 1.14	52.2 2.13	22.8 1.43	16.3	16.2	21.0	3.59	0.92
4 - 6	106.2 3.07	17.6 1.53	59.6 1.82	51.3 1.19	52.9 2.06	23.4 1.39	16.6	16.3	21.5	3.54	1.12
5 - 0	109.5 3.29	18.7 1.71	61.0 1.98	51.6 1.22	53.9 1.87	24.0 1.40	16.7	16.6	22.1	3.35	1.05
5 - 6	112.9 3.29	19.8 1.84	62.4 1.84	51.9 1.20	54.7 2.08	24.8 1.37	17.0	16.8	22.6	3.46	1.21
6 - 0	116.2 3.53	21.0 2.15	63.7 2.00	52.6 1.22	55.8 2.30	25.4 1.32	17.1	17.1	23.1	3.28	1.12

324

324

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Anthropometric measurements of pre-school age American children. (Hansman (1970)).

Females

Age	Height in cm.	Weight in kg.	Sitting Height in cm.	Fronto Xiphi- occipi ster- tal nal circum.circum. in cm. in cm.	N-90-95N53-95	N58-95	Fore- arm circum.perce- 50th ntile nce percen. N64-66	Biceps 50th circum.perce- ntile nce N81-91	Calf circu- mfe- N54-91N62-94	6 monthly increments in Height Weight in cm. in kg. N94-95
Years-Months	N58-95	N90-95	N56-95	N-90-95N53-95	N58-95	N64-66	N81-91	N54-91N62-94	N94-95	
2 - 0	M 85.1 SD 3.07	11.9 1.24	51.1 1.90	48.1 1.41	47.7 1.90	20.2 1.00	15.4	15.6	19.9	
2 - 6	89.2 3.20	12.8 1.26	52.7 1.86	48.7 1.39	48.5 1.74	21.0 1.00	15.5	15.6	20.0	4.60 1.04
3 - 0	93.8 3.39	13.9 1.41	54.4 2.02	49.2 1.44	49.2 1.89	21.5 1.10	15.6	15.9	20.3	4.17 1.01
3 - 6	97.8 3.54	15.0 1.64	56.0 2.05	49.7 1.52	50.2 1.74	22.3 1.17	16.0	16.0	20.8	3.81 1.04
4 - 0	101.8 3.72	16.0 1.64	57.7 2.05	50.2 1.52	50.9 1.70	22.8 1.32	16.2	16.2	21.3	3.76 1.06
4 - 6	105.5 3.98	17.1 1.83	59.4 2.15	50.4 1.49	51.8 1.94	23.3 1.29	16.6	16.6	22.0	3.47 1.04
5 - 0	108.9 4.15	18.2 1.94	60.8 2.36	50.7 1.45	52.5 2.17	23.8 1.42	16.8	16.7	22.4	3.49 1.11
5 - 6	112.3 4.30	19.3 2.24	62.1 2.45	51.0 1.46	53.4 2.26	24.5 1.34	16.9	17.0	23.0	3.38 1.17
6 - 0	115.6 4.48	20.5 2.49	63.5 2.48	51.2 1.46	54.3 2.41	25.2 1.30	17.0	17.0	23.4	3.24 1.13

325