

Height-for-age BOYS

5 to 19 years (percentiles)



Year: Month	Month	L	M	S	SD	Percentiles (height in cm)										
						1st	3rd	5th	15th	25th	50th	75th	85th	95th	97th	99th
5: 1	61	1	110.2647	0.04164	4.5914	99.6	101.6	102.7	105.5	107.2	110.3	113.4	115.0	117.8	118.9	120.9
5: 2	62	1	110.8006	0.04172	4.6226	100.0	102.1	103.2	106.0	107.7	110.8	113.9	115.6	118.4	119.5	121.6
5: 3	63	1	111.3338	0.04180	4.6538	100.5	102.6	103.7	106.5	108.2	111.3	114.5	116.2	119.0	120.1	122.2
5: 4	64	1	111.8636	0.04187	4.6837	101.0	103.1	104.2	107.0	108.7	111.9	115.0	116.7	119.6	120.7	122.8
5: 5	65	1	112.3895	0.04195	4.7147	101.4	103.5	104.6	107.5	109.2	112.4	115.6	117.3	120.1	121.3	123.4
5: 6	66	1	112.9110	0.04203	4.7456	101.9	104.0	105.1	108.0	109.7	112.9	116.1	117.8	120.7	121.8	124.0
5: 7	67	1	113.4280	0.04211	4.7765	102.3	104.4	105.6	108.5	110.2	113.4	116.7	118.4	121.3	122.4	124.5
5: 8	68	1	113.9410	0.04218	4.8060	102.8	104.9	106.0	109.0	110.7	113.9	117.2	118.9	121.8	123.0	125.1
5: 9	69	1	114.4500	0.04226	4.8367	103.2	105.4	106.5	109.4	111.2	114.5	117.7	119.5	122.4	123.5	125.7
5:10	70	1	114.9547	0.04234	4.8672	103.6	105.8	106.9	109.9	111.7	115.0	118.2	120.0	123.0	124.1	126.3
5:11	71	1	115.4549	0.04241	4.8964	104.1	106.2	107.4	110.4	112.2	115.5	118.8	120.5	123.5	124.7	126.8
6: 0	72	1	115.9509	0.04249	4.9268	104.5	106.7	107.8	110.8	112.6	116.0	119.3	121.1	124.1	125.2	127.4
6: 1	73	1	116.4432	0.04257	4.9570	104.9	107.1	108.3	111.3	113.1	116.4	119.8	121.6	124.6	125.8	128.0
6: 2	74	1	116.9325	0.04264	4.9860	105.3	107.6	108.7	111.8	113.6	116.9	120.3	122.1	125.1	126.3	128.5
6: 3	75	1	117.4196	0.04272	5.0162	105.8	108.0	109.2	112.2	114.0	117.4	120.8	122.6	125.7	126.9	129.1
6: 4	76	1	117.9046	0.04280	5.0463	106.2	108.4	109.6	112.7	114.5	117.9	121.3	123.1	126.2	127.4	129.6
6: 5	77	1	118.3880	0.04287	5.0753	106.6	108.8	110.0	113.1	115.0	118.4	121.8	123.6	126.7	127.9	130.2
6: 6	78	1	118.8700	0.04295	5.1055	107.0	109.3	110.5	113.6	115.4	118.9	122.3	124.2	127.3	128.5	130.7
6: 7	79	1	119.3508	0.04303	5.1357	107.4	109.7	110.9	114.0	115.9	119.4	122.8	124.7	127.8	129.0	131.3
6: 8	80	1	119.8303	0.04311	5.1659	107.8	110.1	111.3	114.5	116.3	119.8	123.3	125.2	128.3	129.5	131.8
6: 9	81	1	120.3085	0.04318	5.1949	108.2	110.5	111.8	114.9	116.8	120.3	123.8	125.7	128.9	130.1	132.4
6:10	82	1	120.7853	0.04326	5.2252	108.6	111.0	112.2	115.4	117.3	120.8	124.3	126.2	129.4	130.6	132.9
6:11	83	1	121.2604	0.04334	5.2554	109.0	111.4	112.6	115.8	117.7	121.3	124.8	126.7	129.9	131.1	133.5
7: 0	84	1	121.7338	0.04342	5.2857	109.4	111.8	113.0	116.3	118.2	121.7	125.3	127.2	130.4	131.7	134.0
7: 1	85	1	122.2053	0.04350	5.3159	109.8	112.2	113.5	116.7	118.6	122.2	125.8	127.7	130.9	132.2	134.6
7: 2	86	1	122.6750	0.04358	5.3462	110.2	112.6	113.9	117.1	119.1	122.7	126.3	128.2	131.5	132.7	135.1

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7: 3	87	1	123.1429	0.04366	5.3764	110.6	113.0	114.3	117.6	119.5	123.1	126.8	128.7	132.0	133.3	135.7
7: 4	88	1	123.6092	0.04374	5.4067	111.0	113.4	114.7	118.0	120.0	123.6	127.3	129.2	132.5	133.8	136.2
7: 5	89	1	124.0736	0.04382	5.4369	111.4	113.8	115.1	118.4	120.4	124.1	127.7	129.7	133.0	134.3	136.7
7: 6	90	1	124.5361	0.04390	5.4671	111.8	114.3	115.5	118.9	120.8	124.5	128.2	130.2	133.5	134.8	137.3
7: 7	91	1	124.9964	0.04398	5.4973	112.2	114.7	116.0	119.3	121.3	125.0	128.7	130.7	134.0	135.3	137.8
7: 8	92	1	125.4545	0.04406	5.5275	112.6	115.1	116.4	119.7	121.7	125.5	129.2	131.2	134.5	135.9	138.3
7: 9	93	1	125.9104	0.04414	5.5577	113.0	115.5	116.8	120.2	122.2	125.9	129.7	131.7	135.1	136.4	138.8
7:10	94	1	126.3640	0.04422	5.5878	113.4	115.9	117.2	120.6	122.6	126.4	130.1	132.2	135.6	136.9	139.4
7:11	95	1	126.8156	0.04430	5.6179	113.7	116.2	117.6	121.0	123.0	126.8	130.6	132.6	136.1	137.4	139.9
8: 0	96	1	127.2651	0.04438	5.6480	114.1	116.6	118.0	121.4	123.5	127.3	131.1	133.1	136.6	137.9	140.4
8: 1	97	1	127.7129	0.04446	5.6781	114.5	117.0	118.4	121.8	123.9	127.7	131.5	133.6	137.1	138.4	140.9
8: 2	98	1	128.1590	0.04454	5.7082	114.9	117.4	118.8	122.2	124.3	128.2	132.0	134.1	137.5	138.9	141.4
8: 3	99	1	128.6034	0.04462	5.7383	115.3	117.8	119.2	122.7	124.7	128.6	132.5	134.6	138.0	139.4	142.0
8: 4	100	1	129.0466	0.04470	5.7684	115.6	118.2	119.6	123.1	125.2	129.0	132.9	135.0	138.5	139.9	142.5
8: 5	101	1	129.4887	0.04478	5.7985	116.0	118.6	120.0	123.5	125.6	129.5	133.4	135.5	139.0	140.4	143.0
8: 6	102	1	129.9300	0.04487	5.8300	116.4	119.0	120.3	123.9	126.0	129.9	133.9	136.0	139.5	140.9	143.5
8: 7	103	1	130.3705	0.04495	5.8602	116.7	119.3	120.7	124.3	126.4	130.4	134.3	136.4	140.0	141.4	144.0
8: 8	104	1	130.8103	0.04503	5.8904	117.1	119.7	121.1	124.7	126.8	130.8	134.8	136.9	140.5	141.9	144.5
8: 9	105	1	131.2495	0.04511	5.9207	117.5	120.1	121.5	125.1	127.3	131.3	135.2	137.4	141.0	142.4	145.0
8:10	106	1	131.6884	0.04519	5.9510	117.8	120.5	121.9	125.5	127.7	131.7	135.7	137.9	141.5	142.9	145.5
8:11	107	1	132.1269	0.04527	5.9814	118.2	120.9	122.3	125.9	128.1	132.1	136.2	138.3	142.0	143.4	146.0
9: 0	108	1	132.5652	0.04535	6.0118	118.6	121.3	122.7	126.3	128.5	132.6	136.6	138.8	142.5	143.9	146.6
9: 1	109	1	133.0031	0.04543	6.0423	118.9	121.6	123.1	126.7	128.9	133.0	137.1	139.3	142.9	144.4	147.1
9: 2	110	1	133.4404	0.04551	6.0729	119.3	122.0	123.5	127.1	129.3	133.4	137.5	139.7	143.4	144.9	147.6
9: 3	111	1	133.8770	0.04559	6.1035	119.7	122.4	123.8	127.6	129.8	133.9	138.0	140.2	143.9	145.4	148.1

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						1st	3rd	5th	15th	25th	50th	75th	85th	95th	97th	99th
9: 4	112	1	134.3130	0.04566	6.1327	120.0	122.8	124.2	128.0	130.2	134.3	138.4	140.7	144.4	145.8	148.6
9: 5	113	1	134.7483	0.04574	6.1634	120.4	123.2	124.6	128.4	130.6	134.7	138.9	141.1	144.9	146.3	149.1
9: 6	114	1	135.1829	0.04582	6.1941	120.8	123.5	125.0	128.8	131.0	135.2	139.4	141.6	145.4	146.8	149.6
9: 7	115	1	135.6168	0.04589	6.2235	121.1	123.9	125.4	129.2	131.4	135.6	139.8	142.1	145.9	147.3	150.1
9: 8	116	1	136.0501	0.04597	6.2542	121.5	124.3	125.8	129.6	131.8	136.1	140.3	142.5	146.3	147.8	150.6
9: 9	117	1	136.4829	0.04604	6.2837	121.9	124.7	126.1	130.0	132.2	136.5	140.7	143.0	146.8	148.3	151.1
9:10	118	1	136.9153	0.04612	6.3145	122.2	125.0	126.5	130.4	132.7	136.9	141.2	143.5	147.3	148.8	151.6
9:11	119	1	137.3474	0.04619	6.3441	122.6	125.4	126.9	130.8	133.1	137.3	141.6	143.9	147.8	149.3	152.1
10: 0	120	1	137.7795	0.04626	6.3737	123.0	125.8	127.3	131.2	133.5	137.8	142.1	144.4	148.3	149.8	152.6
10: 1	121	1	138.2119	0.04633	6.4034	123.3	126.2	127.7	131.6	133.9	138.2	142.5	144.8	148.7	150.3	153.1
10: 2	122	1	138.6452	0.04640	6.4331	123.7	126.5	128.1	132.0	134.3	138.6	143.0	145.3	149.2	150.7	153.6
10: 3	123	1	139.0797	0.04647	6.4630	124.0	126.9	128.4	132.4	134.7	139.1	143.4	145.8	149.7	151.2	154.1
10: 4	124	1	139.5158	0.04654	6.4931	124.4	127.3	128.8	132.8	135.1	139.5	143.9	146.2	150.2	151.7	154.6
10: 5	125	1	139.9540	0.04661	6.5233	124.8	127.7	129.2	133.2	135.6	140.0	144.4	146.7	150.7	152.2	155.1
10: 6	126	1	140.3948	0.04667	6.5522	125.2	128.1	129.6	133.6	136.0	140.4	144.8	147.2	151.2	152.7	155.6
10: 7	127	1	140.8387	0.04674	6.5828	125.5	128.5	130.0	134.0	136.4	140.8	145.3	147.7	151.7	153.2	156.2
10: 8	128	1	141.2859	0.04680	6.6122	125.9	128.9	130.4	134.4	136.8	141.3	145.7	148.1	152.2	153.7	156.7
10: 9	129	1	141.7368	0.04686	6.6418	126.3	129.2	130.8	134.9	137.3	141.7	146.2	148.6	152.7	154.2	157.2
10:10	130	1	142.1916	0.04692	6.6716	126.7	129.6	131.2	135.3	137.7	142.2	146.7	149.1	153.2	154.7	157.7
10:11	131	1	142.6501	0.04698	6.7017	127.1	130.0	131.6	135.7	138.1	142.7	147.2	149.6	153.7	155.3	158.2
11: 0	132	1	143.1126	0.04703	6.7306	127.5	130.5	132.0	136.1	138.6	143.1	147.7	150.1	154.2	155.8	158.8
11: 1	133	1	143.5795	0.04709	6.7612	127.9	130.9	132.5	136.6	139.0	143.6	148.1	150.6	154.7	156.3	159.3
11: 2	134	1	144.0511	0.04714	6.7906	128.3	131.3	132.9	137.0	139.5	144.1	148.6	151.1	155.2	156.8	159.8
11: 3	135	1	144.5276	0.04719	6.8203	128.7	131.7	133.3	137.5	139.9	144.5	149.1	151.6	155.7	157.4	160.4

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						1st	3rd	5th	15th	25th	50th	75th	85th	95th	97th	99th
11: 4	136	1	145.0093	0.04723	6.8488	129.1	132.1	133.7	137.9	140.4	145.0	149.6	152.1	156.3	157.9	160.9
11: 5	137	1	145.4964	0.04728	6.8791	129.5	132.6	134.2	138.4	140.9	145.5	150.1	152.6	156.8	158.4	161.5
11: 6	138	1	145.9891	0.04732	6.9082	129.9	133.0	134.6	138.8	141.3	146.0	150.6	153.1	157.4	159.0	162.1
11: 7	139	1	146.4878	0.04736	6.9377	130.3	133.4	135.1	139.3	141.8	146.5	151.2	153.7	157.9	159.5	162.6
11: 8	140	1	146.9927	0.04740	6.9675	130.8	133.9	135.5	139.8	142.3	147.0	151.7	154.2	158.5	160.1	163.2
11: 9	141	1	147.5041	0.04744	6.9976	131.2	134.3	136.0	140.3	142.8	147.5	152.2	154.8	159.0	160.7	163.8
11:10	142	1	148.0224	0.04747	7.0266	131.7	134.8	136.5	140.7	143.3	148.0	152.8	155.3	159.6	161.2	164.4
11:11	143	1	148.5478	0.04750	7.0560	132.1	135.3	136.9	141.2	143.8	148.5	153.3	155.9	160.2	161.8	165.0
12: 0	144	1	149.0807	0.04753	7.0858	132.6	135.8	137.4	141.7	144.3	149.1	153.9	156.4	160.7	162.4	165.6
12: 1	145	1	149.6212	0.04755	7.1145	133.1	136.2	137.9	142.2	144.8	149.6	154.4	157.0	161.3	163.0	166.2
12: 2	146	1	150.1694	0.04758	7.1451	133.5	136.7	138.4	142.8	145.4	150.2	155.0	157.6	161.9	163.6	166.8
12: 3	147	1	150.7256	0.04759	7.1730	134.0	137.2	138.9	143.3	145.9	150.7	155.6	158.2	162.5	164.2	167.4
12: 4	148	1	151.2899	0.04761	7.2029	134.5	137.7	139.4	143.8	146.4	151.3	156.1	158.8	163.1	164.8	168.0
12: 5	149	1	151.8623	0.04762	7.2317	135.0	138.3	140.0	144.4	147.0	151.9	156.7	159.4	163.8	165.5	168.7
12: 6	150	1	152.4425	0.04763	7.2608	135.6	138.8	140.5	144.9	147.5	152.4	157.3	160.0	164.4	166.1	169.3
12: 7	151	1	153.0298	0.04763	7.2888	136.1	139.3	141.0	145.5	148.1	153.0	157.9	160.6	165.0	166.7	170.0
12: 8	152	1	153.6234	0.04764	7.3186	136.6	139.9	141.6	146.0	148.7	153.6	158.6	161.2	165.7	167.4	170.6
12: 9	153	1	154.2223	0.04763	7.3456	137.1	140.4	142.1	146.6	149.3	154.2	159.2	161.8	166.3	168.0	171.3
12:10	154	1	154.8258	0.04763	7.3744	137.7	141.0	142.7	147.2	149.9	154.8	159.8	162.5	167.0	168.7	172.0
12:11	155	1	155.4329	0.04762	7.4017	138.2	141.5	143.3	147.8	150.4	155.4	160.4	163.1	167.6	169.4	172.7
13: 0	156	1	156.0426	0.04760	7.4276	138.8	142.1	143.8	148.3	151.0	156.0	161.1	163.7	168.3	170.0	173.3
13: 1	157	1	156.6539	0.04758	7.4536	139.3	142.6	144.4	148.9	151.6	156.7	161.7	164.4	168.9	170.7	174.0
13: 2	158	1	157.2660	0.04756	7.4796	139.9	143.2	145.0	149.5	152.2	157.3	162.3	165.0	169.6	171.3	174.7
13: 3	159	1	157.8775	0.04754	7.5055	140.4	143.8	145.5	150.1	152.8	157.9	162.9	165.7	170.2	172.0	175.3

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13: 4	160	1	158.4871	0.04751	7.5297	141.0	144.3	146.1	150.7	153.4	158.5	163.6	166.3	170.9	172.6	176.0
13: 5	161	1	159.0937	0.04747	7.5522	141.5	144.9	146.7	151.3	154.0	159.1	164.2	166.9	171.5	173.3	176.7
13: 6	162	1	159.6962	0.04744	7.5760	142.1	145.4	147.2	151.8	154.6	159.7	164.8	167.5	172.2	173.9	177.3
13: 7	163	1	160.2939	0.04740	7.5979	142.6	146.0	147.8	152.4	155.2	160.3	165.4	168.2	172.8	174.6	178.0
13: 8	164	1	160.8861	0.04735	7.6180	143.2	146.6	148.4	153.0	155.7	160.9	166.0	168.8	173.4	175.2	178.6
13: 9	165	1	161.4720	0.04730	7.6376	143.7	147.1	148.9	153.6	156.3	161.5	166.6	169.4	174.0	175.8	179.2
13:10	166	1	162.0505	0.04725	7.6569	144.2	147.6	149.5	154.1	156.9	162.1	167.2	170.0	174.6	176.5	179.9
13:11	167	1	162.6207	0.04720	7.6757	144.8	148.2	150.0	154.7	157.4	162.6	167.8	170.6	175.2	177.1	180.5
14: 0	168	1	163.1816	0.04714	7.6924	145.3	148.7	150.5	155.2	158.0	163.2	168.4	171.2	175.8	177.6	181.1
14: 1	169	1	163.7321	0.04707	7.7069	145.8	149.2	151.1	155.7	158.5	163.7	168.9	171.7	176.4	178.2	181.7
14: 2	170	1	164.2717	0.04701	7.7224	146.3	149.7	151.6	156.3	159.1	164.3	169.5	172.3	177.0	178.8	182.2
14: 3	171	1	164.7994	0.04694	7.7357	146.8	150.3	152.1	156.8	159.6	164.8	170.0	172.8	177.5	179.3	182.8
14: 4	172	1	165.3145	0.04687	7.7483	147.3	150.7	152.6	157.3	160.1	165.3	170.5	173.3	178.1	179.9	183.3
14: 5	173	1	165.8165	0.04679	7.7586	147.8	151.2	153.1	157.8	160.6	165.8	171.1	173.9	178.6	180.4	183.9
14: 6	174	1	166.3050	0.04671	7.7681	148.2	151.7	153.5	158.3	161.1	166.3	171.5	174.4	179.1	180.9	184.4
14: 7	175	1	166.7799	0.04663	7.7769	148.7	152.2	154.0	158.7	161.5	166.8	172.0	174.8	179.6	181.4	184.9
14: 8	176	1	167.2415	0.04655	7.7851	149.1	152.6	154.4	159.2	162.0	167.2	172.5	175.3	180.0	181.9	185.4
14: 9	177	1	167.6899	0.04646	7.7909	149.6	153.0	154.9	159.6	162.4	167.7	172.9	175.8	180.5	182.3	185.8
14:10	178	1	168.1255	0.04637	7.7960	150.0	153.5	155.3	160.0	162.9	168.1	173.4	176.2	180.9	182.8	186.3
14:11	179	1	168.5482	0.04628	7.8004	150.4	153.9	155.7	160.5	163.3	168.5	173.8	176.6	181.4	183.2	186.7
15: 0	180	1	168.9580	0.04619	7.8042	150.8	154.3	156.1	160.9	163.7	169.0	174.2	177.0	181.8	183.6	187.1
15: 1	181	1	169.3549	0.04609	7.8056	151.2	154.7	156.5	161.3	164.1	169.4	174.6	177.4	182.2	184.0	187.5
15: 2	182	1	169.7389	0.04599	7.8063	151.6	155.1	156.9	161.6	164.5	169.7	175.0	177.8	182.6	184.4	187.9
15: 3	183	1	170.1099	0.04589	7.8063	152.0	155.4	157.3	162.0	164.8	170.1	175.4	178.2	183.0	184.8	188.3

2007 WHO Reference

Height-for-age BOYS

5 to 19 years (percentiles)



Year: Month	Month	L	M	S	SD	Percentiles (height in cm)										
						1st	3rd	5th	15th	25th	50th	75th	85th	95th	97th	99th
15: 4	184	1	170.4680	0.04579	7.8057	152.3	155.8	157.6	162.4	165.2	170.5	175.7	178.6	183.3	185.1	188.6
15: 5	185	1	170.8136	0.04569	7.8045	152.7	156.1	158.0	162.7	165.6	170.8	176.1	178.9	183.7	185.5	189.0
15: 6	186	1	171.1468	0.04559	7.8026	153.0	156.5	158.3	163.1	165.9	171.1	176.4	179.2	184.0	185.8	189.3
15: 7	187	1	171.4680	0.04548	7.7984	153.3	156.8	158.6	163.4	166.2	171.5	176.7	179.6	184.3	186.1	189.6
15: 8	188	1	171.7773	0.04538	7.7953	153.6	157.1	159.0	163.7	166.5	171.8	177.0	179.9	184.6	186.4	189.9
15: 9	189	1	172.0748	0.04527	7.7898	154.0	157.4	159.3	164.0	166.8	172.1	177.3	180.1	184.9	186.7	190.2
15:10	190	1	172.3606	0.04516	7.7838	154.3	157.7	159.6	164.3	167.1	172.4	177.6	180.4	185.2	187.0	190.5
15:11	191	1	172.6345	0.04506	7.7789	154.5	158.0	159.8	164.6	167.4	172.6	177.9	180.7	185.4	187.3	190.7
16: 0	192	1	172.8967	0.04495	7.7717	154.8	158.3	160.1	164.8	167.7	172.9	178.1	181.0	185.7	187.5	191.0
16: 1	193	1	173.1470	0.04484	7.7639	155.1	158.5	160.4	165.1	167.9	173.1	178.4	181.2	185.9	187.7	191.2
16: 2	194	1	173.3856	0.04473	7.7555	155.3	158.8	160.6	165.3	168.2	173.4	178.6	181.4	186.1	188.0	191.4
16: 3	195	1	173.6126	0.04462	7.7466	155.6	159.0	160.9	165.6	168.4	173.6	178.8	181.6	186.4	188.2	191.6
16: 4	196	1	173.8280	0.04451	7.7371	155.8	159.3	161.1	165.8	168.6	173.8	179.0	181.8	186.6	188.4	191.8
16: 5	197	1	174.0321	0.04440	7.7270	156.1	159.5	161.3	166.0	168.8	174.0	179.2	182.0	186.7	188.6	192.0
16: 6	198	1	174.2251	0.04429	7.7164	156.3	159.7	161.5	166.2	169.0	174.2	179.4	182.2	186.9	188.7	192.2
16: 7	199	1	174.4071	0.04418	7.7053	156.5	159.9	161.7	166.4	169.2	174.4	179.6	182.4	187.1	188.9	192.3
16: 8	200	1	174.5784	0.04407	7.6937	156.7	160.1	161.9	166.6	169.4	174.6	179.8	182.6	187.2	189.0	192.5
16: 9	201	1	174.7392	0.04396	7.6815	156.9	160.3	162.1	166.8	169.6	174.7	179.9	182.7	187.4	189.2	192.6
16:10	202	1	174.8896	0.04385	7.6689	157.0	160.5	162.3	166.9	169.7	174.9	180.1	182.8	187.5	189.3	192.7
16:11	203	1	175.0301	0.04375	7.6576	157.2	160.6	162.4	167.1	169.9	175.0	180.2	183.0	187.6	189.4	192.8
17: 0	204	1	175.1609	0.04364	7.6440	157.4	160.8	162.6	167.2	170.0	175.2	180.3	183.1	187.7	189.5	192.9
17: 1	205	1	175.2824	0.04353	7.6300	157.5	160.9	162.7	167.4	170.1	175.3	180.4	183.2	187.8	189.6	193.0
17: 2	206	1	175.3951	0.04343	7.6174	157.7	161.1	162.9	167.5	170.3	175.4	180.5	183.3	187.9	189.7	193.1
17: 3	207	1	175.4995	0.04332	7.6026	157.8	161.2	163.0	167.6	170.4	175.5	180.6	183.4	188.0	189.8	193.2

2007 WHO Reference

Height-for-age BOYS

5 to 19 years (percentiles)



Year: Month	Month	L	M	S	SD	Percentiles (height in cm)										
						1st	3rd	5th	15th	25th	50th	75th	85th	95th	97th	99th
17: 4	208	1	175.5959	0.04322	7.5893	157.9	161.3	163.1	167.7	170.5	175.6	180.7	183.5	188.1	189.9	193.3
17: 5	209	1	175.6850	0.04311	7.5738	158.1	161.4	163.2	167.8	170.6	175.7	180.8	183.5	188.1	189.9	193.3
17: 6	210	1	175.7672	0.04301	7.5597	158.2	161.5	163.3	167.9	170.7	175.8	180.9	183.6	188.2	190.0	193.4
17: 7	211	1	175.8432	0.04291	7.5454	158.3	161.7	163.4	168.0	170.8	175.8	180.9	183.7	188.3	190.0	193.4
17: 8	212	1	175.9133	0.04281	7.5308	158.4	161.7	163.5	168.1	170.8	175.9	181.0	183.7	188.3	190.1	193.4
17: 9	213	1	175.9781	0.04271	7.5160	158.5	161.8	163.6	168.2	170.9	176.0	181.0	183.8	188.3	190.1	193.5
17:10	214	1	176.0380	0.04261	7.5010	158.6	161.9	163.7	168.3	171.0	176.0	181.1	183.8	188.4	190.1	193.5
17:11	215	1	176.0935	0.04251	7.4857	158.7	162.0	163.8	168.3	171.0	176.1	181.1	183.9	188.4	190.2	193.5
18: 0	216	1	176.1449	0.04241	7.4703	158.8	162.1	163.9	168.4	171.1	176.1	181.2	183.9	188.4	190.2	193.5
18: 1	217	1	176.1925	0.04232	7.4565	158.8	162.2	163.9	168.5	171.2	176.2	181.2	183.9	188.5	190.2	193.5
18: 2	218	1	176.2368	0.04222	7.4407	158.9	162.2	164.0	168.5	171.2	176.2	181.3	183.9	188.5	190.2	193.5
18: 3	219	1	176.2779	0.04213	7.4266	159.0	162.3	164.1	168.6	171.3	176.3	181.3	184.0	188.5	190.2	193.6
18: 4	220	1	176.3162	0.04204	7.4123	159.1	162.4	164.1	168.6	171.3	176.3	181.3	184.0	188.5	190.3	193.6
18: 5	221	1	176.3518	0.04195	7.3980	159.1	162.4	164.2	168.7	171.4	176.4	181.3	184.0	188.5	190.3	193.6
18: 6	222	1	176.3851	0.04185	7.3817	159.2	162.5	164.2	168.7	171.4	176.4	181.4	184.0	188.5	190.3	193.6
18: 7	223	1	176.4162	0.04177	7.3689	159.3	162.6	164.3	168.8	171.4	176.4	181.4	184.1	188.5	190.3	193.6
18: 8	224	1	176.4453	0.04168	7.3542	159.3	162.6	164.3	168.8	171.5	176.4	181.4	184.1	188.5	190.3	193.6
18: 9	225	1	176.4724	0.04159	7.3395	159.4	162.7	164.4	168.9	171.5	176.5	181.4	184.1	188.5	190.3	193.5
18:10	226	1	176.4976	0.04150	7.3247	159.5	162.7	164.5	168.9	171.6	176.5	181.4	184.1	188.5	190.3	193.5
18:11	227	1	176.5211	0.04142	7.3115	159.5	162.8	164.5	168.9	171.6	176.5	181.5	184.1	188.5	190.3	193.5
19: 0	228	1	176.5432	0.04134	7.2983	159.6	162.8	164.5	169.0	171.6	176.5	181.5	184.1	188.5	190.3	193.5

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