

**Table 1:** Body height (cm) percentiles, LMS values and LMS summary statistics by sex and age in 4- to 18-year-old Greek children and adolescents.<sup>1</sup>

Age	N	Percentiles (SPSS)							LMS method									
		P3	P10	P25	P50	P75	P90	P97	3th	10th	25th	50th	75th	90th	97th	L	M	S
<b>Boys</b>																		
4	3157	101	104	107	110	114	117	121	101.2	104.0	107.0	110.3	114.0	118.1	122.8	-2.31	110.3	0.047
5	6550	106	109	113	116	120	123	127	106.5	109.5	112.8	116.3	120.2	124.5	129.1	-1.73	116.34	0.047
6	24240	112	116	119	123	126	130	134	111.7	115.0	118.5	122.3	126.4	130.7	135.4	-1.16	122.32	0.048
7	28848	117	121	124	128	132	136	140	116.6	120.3	124.1	128.1	132.4	136.9	141.6	-0.62	128.12	0.048
8	28637	123	126	130	134	138	142	146	121.4	125.4	129.5	133.8	138.2	142.9	147.7	-0.15	133.80	0.049
9	28254	128	131	135	139	144	148	152	126.2	130.5	134.9	139.4	144.1	148.8	153.7	0.27	139.44	0.049
10	26863	132	136	140	145	149	154	159	131.1	135.7	140.4	145.2	150.0	154.9	159.9	0.61	145.21	0.050
11	26359	137	141	145	150	156	160	166	136.2	141.2	146.2	151.2	156.2	161.3	166.3	0.89	151.21	0.050
12	17126	142	146	151	157	163	168	174	141.7	147.0	152.2	157.4	162.5	167.7	172.8	1.15	157.37	0.049
13	16142	147	152	158	164	170	175	180	147.2	152.6	158.0	163.3	168.6	173.8	178.9	1.42	163.35	0.049
14	14273	154	160	165	171	176	180	185	152.1	157.8	163.3	168.6	173.9	179.0	184.0	1.75	168.64	0.047
15	10669	160	165	170	174	179	184	188	156.3	162.1	167.6	172.9	178.0	183.0	187.8	2.12	172.89	0.045
16	8236	163	168	172	177	181	185	190	159.6	165.4	170.8	176.1	181.0	185.8	190.4	2.54	176.05	0.043
17	2958	165	169	173	177	182	185	190	162.1	167.9	173.2	178.3	183.1	187.6	192.0	3.00	178.30	0.041
18	424	165	169	173	177	182	185	191	164.3	170.0	175.3	180.2	184.8	189.1	193.2	3.48	180.19	0.039
<b>Girls</b>																		
4	3091	100	103	106	109	112	116	119	99.8	102.7	105.8	109.2	113.0	117.2	121.9	-2.04	109.2	0.049
5	6136	105	108	111	115	119	122	126	105.1	108.2	111.6	115.2	119.2	123.4	128.0	-1.31	115.2	0.049
6	22925	112	115	118	122	125	129	132	110.2	113.7	117.4	121.3	125.3	129.6	134.2	-0.59	121.3	0.049
7	27789	116	120	123	127	131	135	139	115.3	119.2	123.1	127.2	131.5	135.8	140.3	0.07	127.2	0.049
8	26883	122	125	129	133	137	141	145	120.5	124.7	128.9	133.3	137.6	142.1	146.5	0.65	133.3	0.049
9	26683	127	130	134	139	143	148	152	125.8	130.3	134.9	139.4	143.9	148.4	152.9	1.13	139.4	0.049
10	25943	132	136	140	145	150	155	160	131.2	136.1	140.8	145.5	150.1	154.7	159.2	1.51	145.5	0.048
11	25537	138	142	147	152	157	162	166	136.4	141.5	146.4	151.2	155.9	160.5	164.9	1.81	151.2	0.048
12	15889	143	148	153	157	162	166	170	141.0	146.2	151.2	156.0	160.7	165.2	169.6	2.06	156.0	0.047
13	14678	148	152	157	161	165	169	173	144.7	149.8	154.8	159.6	164.2	168.6	172.9	2.26	159.6	0.044
14	13284	151	155	159	163	167	171	175	147.4	152.5	157.4	162.0	166.5	170.8	175.0	2.43	162.0	0.042
15	9889	152	156	160	164	168	172	176	149.2	154.2	159.0	163.6	167.9	172.1	176.1	2.57	163.6	0.042
16	8290	153	157	160	164	168	172	176	150.5	155.4	160.0	164.4	168.7	172.7	176.6	2.70	164.4	0.039
17	2881	153	157	160	164	169	172	176	151.3	156.1	160.6	164.9	169.0	172.9	176.7	2.86	164.9	0.038
18	282	153	157	160	164	168	173	179	152.0	156.6	161.1	165.3	169.2	173.0	176.7	3.04	165.3	0.037

<sup>1</sup>L: skew, LMS, Lambda Mu and Sigma, M: median, P: percentile, S: coefficient of variation, SPSS: Statistical Package for the Social Sciences.

**Table 2:** Body weight (kg) percentiles, LMS values and LMS summary statistics by sex and age in 4- to 18-year-old Greek children and adolescents.<sup>1</sup>

Age	N	Percentiles (SPSS)							LMS method									
		P3	P10	P25	P50	P75	P90	P97	3th	10th	25th	50th	75th	90th	97th	L	M	S
<b>Boys</b>																		
4	3157	15.0	16.0	17.5	19.2	21.4	24.0	28.0	14.1	15.5	17.0	19.0	21.5	24.8	29.3	-1.08	18.99	0.17
5	6550	16.5	18.0	19.5	21.4	24.0	27.0	32.0	16.0	17.5	19.4	21.8	24.8	28.8	34.3	-1.01	21.79	0.18
6	24370	18.5	20.0	22.0	24.3	27.8	32.2	37.9	17.8	19.7	21.9	24.7	28.3	33.0	39.6	-0.94	24.71	0.19
7	28974	20.0	22.0	24.3	27.4	32.0	37.0	43.3	19.8	21.9	24.6	27.8	32.1	37.6	45.3	-0.86	27.85	0.20
8	28743	22.3	24.7	27.0	31.0	36.7	43.0	50.0	21.9	24.4	27.5	31.3	36.2	42.6	51.4	-0.78	31.31	0.21
9	23245	25.0	27.2	30.2	35.0	41.6	48.4	56.0	24.2	27.2	30.7	35.1	40.7	48.0	57.9	-0.69	35.12	0.21
10	26970	27.0	30.0	34.0	39.3	46.8	54.6	63.3	26.9	30.2	34.3	39.4	45.7	53.9	64.6	-0.60	39.36	0.21
11	26483	30.0	33.4	37.8	44.0	52.2	61.0	70.5	29.9	33.7	38.4	44.1	51.1	60.1	71.6	-0.52	44.06	0.21
12	17126	33.0	37.0	42.0	49.4	58.2	68.0	78.1	33.3	37.6	42.8	49.1	56.9	66.5	78.7	-0.44	49.14	0.21
13	16142	37.0	42.0	48.0	56.0	65.0	76.0	87.3	36.9	41.8	47.6	54.5	62.8	73.0	85.5	-0.36	54.45	0.21
14	14272	43.0	48.1	54.2	62.0	71.3	82.0	94.0	40.7	46.0	52.3	59.7	68.5	79.0	91.7	-0.28	59.71	0.20
15	10668	47.7	53.0	58.8	66.0	76.0	87.3	100	44.3	50.1	56.8	64.7	73.8	84.5	97.0	-0.18	64.66	0.20
16	8235	51.8	57.0	62.3	70.0	78.5	89.0	101	47.6	53.9	61.0	69.2	78.5	89.2	101.5	-0.07	69.17	0.19
17	2956	53.0	58.0	64.0	71.0	80.0	91.0	103	50.6	57.3	64.8	73.2	82.6	93.2	105.1	0.06	73.18	0.18
18	424	50.0	57.0	67.0	71.0	81.0	95.0	107	53.4	60.5	68.3	77.0	86.5	97.0	108.4	0.19	77.00	0.18
<b>Girls</b>																		
4	3091	14.5	15.7	17.0	18.9	21.0	23.6	27.0	13.7	15.0	16.7	18.7	21.2	24.6	29.2	-0.97	18.67	0.18
5	6136	16.0	17.1	19.0	21.0	23.9	27.0	31.1	15.4	17.0	19.0	21.3	24.4	28.3	33.6	-0.87	21.35	0.19
6	23045	18.0	19.4	21.0	24.0	27.1	31.2	36.3	17.2	19.1	21.4	24.2	27.7	32.3	38.4	-0.76	24.18	0.19
7	27891	19.7	21.4	23.8	27.0	31.2	36.2	42.1	19.1	21.3	24.0	27.3	31.4	36.6	43.5	-0.66	27.30	0.20
8	26884	21.4	24.0	26.6	30.7	36.0	41.9	48.2	21.3	23.9	27.0	30.8	35.5	41.5	49.2	-0.57	30.83	0.21
9	26881	24.0	26.5	30.0	34.6	40.9	47.5	55.0	23.8	26.8	30.4	34.8	40.2	46.9	55.4	-0.49	34.81	0.21
10	26057	26.5	30.0	34.0	39.7	46.8	54.0	62.3	26.7	30.1	34.2	39.2	45.2	52.6	62.0	-0.43	39.17	0.21
11	25326	30.0	33.9	38.3	45.0	52.5	60.5	70.0	29.8	33.6	38.2	43.6	50.2	58.3	68.3	-0.40	43.63	0.21
12	15900	33.5	38.0	43.0	49.0	56.8	65.0	75.0	32.9	37.1	42.0	47.8	54.9	63.4	74.0	-0.39	47.84	0.20
13	14677	38.0	42.1	47.0	53.2	60.5	69.5	80.0	35.9	40.3	45.4	51.5	58.8	67.7	78.5	-0.40	51.53	0.19
14	13284	41.4	45.4	50.0	55.8	63.0	71.5	82.0	38.6	43.1	48.3	54.6	62.0	71.0	81.9	-0.42	54.55	0.19
15	9888	44.0	47.6	52.0	58.0	65.0	74.0	85.0	40.8	45.3	50.6	56.9	64.3	73.3	84.1	-0.44	56.88	0.18
16	8290	45.0	48.7	53.0	58.0	65.5	74.0	85.0	42.4	47.0	52.3	58.6	65.9	74.7	85.4	-0.45	58.56	0.17
17	2881	44.6	48.9	53.0	58.0	65.0	74.0	86.0	43.7	48.3	53.6	59.7	67.0	75.6	85.9	-0.44	59.74	0.17
18	282	43.3	47.9	51.0	57.0	65.0	76.0	88.0	44.8	49.3	54.6	60.7	67.9	76.3	86.3	-0.42	60.74	0.16

<sup>1</sup>L: skew, LMS: Lambda Mu and Sigma, M: median, P: percentile, S: coefficient of variation, SPSS: Statistical Package for the Social Sciences.

**Table 3:** BMI (kg/m<sup>2</sup>) percentiles, LMS values and LMS summary statistics by sex and age in 4- to 18-year-old Greek children and adolescents.<sup>1</sup>

Age	N	Percentiles (SPSS)								LMS method								
		P3	P10	P25	P50	P75	P90	P97	3th	10th	25th	50th	75th	90th	97th	L	M	S
<b>Boys</b>																		
4	3142	13.0	14.0	14.9	15.9	17.1	18.7	21.2	12.84	13.64	14.60	15.74	17.17	18.99	21.44	-1.64	15.74	0.12
5	6340	13.2	14.0	14.9	15.9	17.2	19.0	21.5	12.90	13.76	14.79	16.05	17.61	19.64	22.39	-1.55	16.05	0.13
6	24240	13.3	14.1	15.0	16.2	17.8	20.1	23.0	12.98	13.92	15.04	16.40	18.12	20.36	23.42	-1.45	16.40	0.14
7	28848	13.4	14.3	15.3	16.6	18.7	21.2	24.0	13.15	14.16	15.37	16.86	18.75	21.21	24.60	-1.35	16.86	0.15
8	28637	13.7	14.6	15.7	17.3	19.7	22.4	25.3	13.39	14.49	15.81	17.43	19.48	22.18	25.88	-1.25	17.43	0.16
9	28254	14.0	15.0	16.2	18.0	20.7	23.4	26.4	13.70	14.88	16.31	18.06	20.29	23.20	27.18	-1.16	18.06	0.16
10	26863	14.4	15.4	16.7	18.7	21.6	24.5	27.6	14.05	15.32	16.84	18.71	21.09	24.18	28.41	-1.08	18.71	0.17
11	26359	14.7	15.8	17.1	19.4	22.3	25.3	28.5	14.43	15.76	17.37	19.34	21.83	25.08	29.49	-1.03	19.34	0.17
12	17029	15.1	16.2	17.6	19.8	22.9	26.0	29.4	14.85	16.23	17.90	19.95	22.54	25.90	30.46	-1.01	19.95	0.17
13	15994	15.8	16.9	18.4	20.5	23.6	26.8	30.5	15.33	16.75	18.46	20.57	23.23	26.69	31.38	-1.02	20.57	0.17
14	14123	16.4	17.6	19.0	21.1	24.0	27.4	31.2	15.86	17.31	19.06	21.21	23.92	27.45	32.25	-1.05	21.21	0.17
15	10535	17.0	18.2	19.6	21.6	24.5	28.0	31.8	16.42	17.88	19.65	21.83	24.58	28.17	33.06	-1.09	21.83	0.17
16	8111	17.6	18.8	20.3	22.2	24.8	27.8	31.9	16.97	18.45	20.23	22.43	25.21	28.84	33.80	-1.13	22.43	0.16
17	2928	17.6	19.0	20.6	22.4	25.0	28.3	32.3	17.51	19.00	20.80	23.02	25.82	29.48	34.50	-1.17	23.02	0.16
18	418	17.5	19.0	20.6	22.9	25.5	28.7	32.6	18.05	19.55	21.36	23.59	26.41	30.10	35.16	-1.21	23.59	0.16
<b>Girls</b>																		
4	3080	12.8	13.8	14.7	15.8	17.1	18.8	21.3	12.45	13.32	14.35	15.59	17.11	19.03	21.56	-1.36	15.59	0.13
5	5974	13.0	13.9	14.8	15.9	17.4	19.2	21.6	12.55	13.48	14.58	15.91	17.56	19.65	22.40	-1.27	15.91	0.14
6	22925	13.0	13.9	14.8	16.1	17.8	20.1	22.5	12.67	13.67	14.86	16.29	18.07	20.33	23.30	-1.17	16.29	0.15
7	27787	13.2	14.1	15.1	16.6	18.7	21.1	23.8	12.86	13.94	15.22	16.77	18.68	21.12	24.33	-1.08	16.77	0.15
8	26799	13.4	14.4	16.0	17.3	19.7	22.2	24.9	13.12	14.28	15.66	17.33	19.39	22.01	25.44	-0.98	17.33	0.16
9	26607	13.7	14.7	16.0	17.9	20.5	23.1	25.9	13.44	14.68	16.15	17.94	20.15	22.93	26.56	-0.91	17.94	0.17
10	25943	14.0	15.1	16.5	18.6	21.4	24.1	27.0	13.82	15.13	16.69	18.58	20.91	23.85	27.66	-0.86	18.58	0.17
11	25185	14.5	15.6	17.1	19.2	22.0	25.0	28.1	14.25	15.62	17.25	19.22	21.65	24.72	28.68	-0.84	19.22	0.17
12	15781	15.0	16.2	17.7	19.8	22.4	25.4	28.9	14.74	16.15	17.83	19.86	22.37	25.53	29.63	-0.85	19.86	0.17
13	14520	15.8	17.0	18.5	20.5	23.1	26.3	30.0	15.27	16.70	18.40	20.47	23.03	26.28	30.50	-0.89	20.47	0.17
14	13159	16.4	17.7	19.1	21.0	23.5	26.5	30.4	15.78	17.22	18.93	21.02	23.61	26.91	31.24	-0.96	21.02	0.16
15	9772	17.0	18.2	19.6	21.5	23.9	27.2	31.2	16.25	17.68	19.39	21.47	24.07	27.40	31.83	-1.03	21.47	0.16
16	8189	17.2	18.4	19.7	21.5	24.0	27.1	30.9	16.65	18.07	19.76	21.83	24.43	27.77	32.26	-1.12	21.83	0.16
17	2853	17.1	18.4	19.8	21.5	23.9	27.1	31.2	17.01	18.41	20.08	22.14	24.72	28.06	32.60	-1.20	22.14	0.15
18	277	16.5	18.0	19.5	21.0	24.1	27.2	32.5	17.35	18.73	20.39	22.42	24.98	28.33	32.90	-1.28	22.42	0.15

<sup>1</sup>BMI: body mass index, L: skew, LMS: Lambda Mu and Sigma, M: median, P: percentile, S: coefficient of variation, SPSS: Statistical Package for the Social Sciences.

**Table 4:** Waist circumference (cm) percentiles, LMS values and LMS summary statistics by sex and age in 4- to 18-year-old Greek children and adolescents<sup>1</sup>

Age	N	Percentiles (SPSS)								LMS method								
		P3	P10	P25	P50	P75	P90	P97	3th	10th	25th	50th	75th	90th	97th	L	M	S
<b>Boys</b>																		
4	3142	48.0	50.0	53.0	55.0	58.0	62.0	68.0	39.2	44.4	49.6	54.6	59.6	64.5	69.3	1.18	54.62	0.14
5	6340	49.0	52.0	54.0	57.0	60.0	65.0	71.0	41.2	46.4	51.6	56.8	62.0	67.1	72.3	1.04	56.81	0.14
6	24240	49.0	52.0	55.0	58.0	62.0	68.0	76.0	43.2	48.5	53.8	59.1	64.5	69.9	75.4	0.91	59.11	0.14
7	28848	50.3	53.0	56.0	60.0	65.2	72.0	80.0	45.5	50.7	56.1	61.7	67.3	73.0	78.9	0.77	61.65	0.14
8	28637	52.0	55.0	58.0	63.0	69.5	77.0	84.0	47.9	53.2	58.7	64.4	70.3	76.4	82.6	0.63	64.37	0.14
9	28254	54.0	57.0	60.0	66.0	73.0	81.0	88.0	50.3	55.6	61.2	67.1	73.3	79.7	86.4	0.49	67.10	0.13
10	26863	55.2	59.0	63.0	68.4	77.0	85.0	92.0	52.6	57.9	63.6	69.7	76.1	82.9	90.0	0.35	69.67	0.13
11	26359	57.0	61.0	65.0	71.0	80.0	88.0	96.0	54.6	60.0	65.7	71.9	78.6	85.7	93.3	0.22	71.92	0.13
12	17029	58.0	62.0	67.0	73.0	81.0	90.0	98.0	56.4	61.7	67.5	73.8	80.6	88.0	96.1	0.08	73.81	0.13
13	15994	60.0	65.0	69.0	75.0	83.0	92.0	101	58.0	63.3	69.1	75.5	82.5	90.2	98.6	-0.06	75.50	0.13
14	14123	63.0	67.0	71.0	77.0	85.0	94.0	103	59.6	64.8	70.6	77.1	84.2	92.2	101.1	-0.20	77.06	0.13
15	10535	64.8	69.0	73.0	78.0	86.0	96.0	106	61.0	66.2	72.0	78.5	85.8	94.1	103.4	-0.34	78.53	0.13
16	8111	66.3	70.0	74.0	80.0	86.0	95.0	106	62.4	67.6	73.4	79.9	87.4	95.9	105.7	-0.48	79.93	0.13
17	2928	66.0	70.0	75.0	80.0	87.0	96.3	107	63.7	68.7	74.5	81.1	88.7	97.5	107.8	-0.61	81.08	0.13
18	418	67.3	71.0	75.0	81.0	88.0	97.0	110	64.8	69.8	75.5	82.1	89.8	98.9	109.7	-0.75	82.15	0.13
<b>Girls</b>																		
4	3080	47.0	50.0	52.0	54.0	58.0	62.0	66.0	37.0	41.1	46.0	51.8	58.7	67.1	77.6	-0.51	51.75	0.18
5	5974	48.0	51.0	53.0	56.0	60.0	65.0	71.0	39.0	43.2	48.2	54.1	61.1	69.7	80.3	-0.53	54.09	0.18
6	22925	48.0	51.0	54.0	57.0	62.0	68.0	74.0	41.1	45.5	50.5	56.5	63.7	72.4	83.1	-0.55	56.52	0.17
7	27787	49.7	52.0	55.0	59.8	65.0	71.8	78.0	43.4	47.8	53.0	59.1	66.4	75.2	86.0	-0.57	59.13	0.17
8	26799	50.7	54.0	57.0	62.0	69.0	75.0	82.0	45.8	50.3	55.6	61.8	69.3	78.2	89.1	-0.59	61.85	0.16
9	26607	52.0	55.0	59.0	65.0	72.0	79.0	86.0	48.2	52.8	58.2	64.6	72.1	81.1	92.0	-0.61	64.55	0.16
10	25943	54.0	57.0	61.5	68.0	75.0	82.2	90.0	50.5	55.2	60.7	67.0	74.6	83.7	94.6	-0.63	67.05	0.15
11	25185	55.0	59.0	64.0	70.0	77.8	85.0	92.0	52.5	57.2	62.7	69.1	76.6	85.7	96.5	-0.65	69.11	0.15
12	15781	57.0	60.8	65.0	71.0	78.0	86.0	94.0	54.1	58.9	64.3	70.6	78.1	87.0	97.7	-0.67	70.65	0.15
13	14520	58.0	62.0	66.0	72.0	79.0	87.0	95.5	55.5	60.2	65.5	71.8	79.1	87.8	98.2	-0.69	71.80	0.14
14	13159	59.0	63.0	67.0	72.2	79.7	87.5	96.0	56.6	61.2	66.5	72.7	79.8	88.3	98.4	-0.71	72.68	0.14
15	9772	60.0	64.0	68.0	73.9	80.0	89.0	98.0	57.6	62.2	67.4	73.3	80.3	88.5	98.3	-0.73	73.35	0.13
16	8189	60.8	64.0	68.0	74.0	80.0	88.0	97.5	58.5	62.9	68.0	73.8	80.6	88.5	97.9	-0.75	73.84	0.13
17	2853	60.0	64.0	68.0	74.0	80.0	88.0	98.0	59.2	63.5	68.5	74.1	80.6	88.3	97.2	-0.77	74.12	0.12
18	277	60.0	64.0	68.0	74.0	81.0	90.0	97.0	59.9	64.1	68.9	74.4	80.6	87.9	96.5	-0.78	74.35	0.12

<sup>1</sup>L: skew, LMS: Lambda Mu and Sigma, M: median, P: percentile; S: coefficient of variation, SPSS: Statistical Package for the Social Sciences