

Case Summaries<sup>a</sup>

	Case	WEIGHT	HEIGHT	START. AGE_2H W	TRAIN. YEARS	H.WEEK	TANNER	AGE	Age Group	SEX	TANNER: I,2	TTV	ARM_BM C_D	ARM_BM C_LD	ARM_BA_ D	ARM_BA_ ND	ARM_LASY M_BMC	ARM_LASY M_BA	ARM_LASY M_ PC_BMC	ARM_LASY M_PC_BA
1	5	31,0	135,0	5,0	3,1	5,0	1	8,1	Age 7-9	Boys	Pre- adolese nt	452	55,1	43,5	81	70	11,6	11	26,7	15,7
2	7	25,5	125,0	5,5	2,4	5,0	1	7,9	Age 7-9	Girls	Pre- adolese nt	228	41,2	38,6	65	63	2,6	2	6,7	3,2
3	14	32,0	131,5	5,5	2,7	5,0	1	8,2	Age 7-9	Girls	Pre- adolese nt	360	49,6	47,2	75	71	2,4	4	5,1	5,6
4	19	30,0	134,0	5,5	3,3	4,5	1	8,8	Age 7-9	Boys	Pre- adolese nt	400	54,5	52,7	84	83	1,8	1	3,4	1,2
5	25	49,5	140,0	7,0	1,1	4,5	1	8,1	Age 7-9	Boys	Pre- adolese nt	136	75,1	69,2	107	100	5,9	7	8,5	7,0
6	27	29,0	131,0	5,0	3,7	5,0	1	8,7	Age 7-9	Girls	Pre- adolese nt	368	49,4	43,3	77	71	6,1	6	14,1	8,5
7	31	28,5	132,0	5,0	3,5	6,0	1	8,5	Age 7-9	Boys	Pre- adolese nt	520	55,1	48,7	83	75	6,4	8	13,1	10,7
8	41	26,0	130,0	7,0	1,7	5,0	1	8,7	Age 7-9	Boys	Pre- adolese nt	144	62,5	57,7	87	86	4,8	1	8,3	1,2
9	24	24,0	122,0	4,0	3,6	4,5	1	7,6	Age 7-9	Girls	Pre- adolese nt	272	37,2	36,9	60	60	,3	0	,8	,0
10	26	31,5	123,5	4,0	3,5	4,5	1	7,5	Age 7-9	Boys	Pre- adolese nt	362	43,5	34,2	70	57	9,3	13	27,2	22,8
11	30	33,0	144,0	4,0	4,4	5,0	1	8,4	Age 7-9	Girls	Pre- adolese nt	524	68,6	66,3	111	112	2,3	1	3,5	-,9
12	2	35,0	141,0	5,0	4,5	6,0	1	9,5	Age 9-10	Boys	Pre- adolese nt	400	68,7	53,5	99	83	15,2	16	28,4	19,3
13	3	28,0	132,5	4,0	5,4	6,0	1	9,4	Age 9-10	Girls	Pre- adolese nt	648	57,4	48,3	87	77	9,1	10	18,8	13,0
14	4	29,5	131,5	4,0	5,5	6,0	1	9,5	Age 9-10	Girls	Pre- adolese nt	548	47,4	44,6	77	75	2,8	2	5,3	2,7
15	13	35,0	139,0	5,0	4,5	6,0	1	9,5	Age 9-10	Boys	Pre- adolese nt	536	57,0	51,2	90	82	5,8	8	11,3	9,8
16	15	31,0	129,0	6,0	3,2	6,0	1	9,2	Age 9-10	Boys	Pre- adolese nt	440	53,2	47,9	78	75	5,3	3	11,1	4,0
17	17	34,0	137,5	5,0	4,4	6,0	1	9,4	Age 9-10	Boys	Pre- adolese nt	528	61,8	48,2	91	79	13,6	12	28,2	15,2
18	18	32,0	141,0	6,0	3,7	6,0	2	9,7	Age 9-10	Boys	Peri- adolese nt	424	55,9	43,5	89	79	12,4	10	28,5	12,7
19	28	28,0	128,0	6,0	3,5	6,0	1	9,5	Age 9-10	Boys	Pre- adolese nt	518	47,5	44,3	74	74	3,3	0	7,4	,0
20	29	40,0	142,0	5,0	4,3	6,0	1	9,3	Age 9-10	Boys	Pre- adolese nt	568	85,7	73,3	116	102	12,4	14	15,9	13,7
21	32	31,0	136,5	4,0	5,4	7,5	1	9,4	Age 9-10	Girls	Pre- adolese nt	710	58,7	47,6	90	78	11,1	12	23,3	15,4
22	39	30,5	132,0	4,0	5,6	6,0	1	9,5	Age 9-10	Boys	Pre- adolese nt	488	50,5	44,6	82	75	6,0	5	13,5	7,9
23	54	30,0	134,0	6,0	3,5	4,5	1	9,5	Age 9-10	Girls	Pre- adolese nt	406	45,5	44,6	82	80	,9	2	2,0	2,5
24	1	44,0	153,0	6,5	4,4	5,0	3	10,9	Age 10-11	Boys	Peri- adolese nt	452	72,5	63,6	108	97	8,9	11	14,0	11,3
25	6	39,5	144,0	5,0	5,0	11,5	1	10,0	Age 10-11	Boys	Pre- adolese nt	864	75,7	65,4	108	97	10,3	11	15,7	11,3
26	10	35,5	146,0	5,0	5,0	9,0	1	10,0	Age 10-11	Girls	Pre- adolese nt	614	62,8	57,6	98	94	5,2	4	9,0	4,3
27	11	44,0	152,5	3,5	7,3	9,0	2	10,8	Age 10-11	Girls	Peri- adolese nt	742	72,2	66,1	109	101	6,1	8	9,2	7,9
28	12	36,5	145,0	5,5	5,4	9,0	1	10,9	Age 10-11	Girls	Pre- adolese nt	614	73,2	68,2	107	100	5,0	7	7,3	7,0
29	20	33,0	136,5	6,0	4,1	6,0	2	10,1	Age 10-11	Boys	Pre- adolese nt	520	68,6	55,5	100	86	12,1	14	21,4	16,3
30	21	30,5	136,0	5,0	5,6	6,0	1	10,5	Age 10-11	Girls	Pre- adolese nt	552	69,3	55,5	105	90	12,7	15	22,4	16,7
31	23	33,0	144,0	5,0	5,6	6,0	2	10,5	Age 10-11	Girls	Peri- adolese nt	584	70,4	55,5	107	88	14,8	19	25,5	21,5
32	33	38,0	152,0	4,5	6,4	7,5	2	10,9	Age 10-11	Girls	Peri- adolese nt	885	82,2	69,1	111	104	13,1	7	19,0	5,7
33	34	29,0	138,5	4,0	6,2	7,5	1	10,2	Age 10-11	Girls	Pre- adolese nt	774	65,3	57,8	95	84	7,5	11	13,0	13,1
34	35	33,0	144,5	8,0	2,7	7,5	2	10,7	Age 10-11	Girls	Peri- adolese nt	454	68,1	58,9	101	93	9,2	8	15,5	8,5
35	36	38,0	147,5	4,0	6,7	12,0	2	10,7	Age 10-11	Boys	Pre- adolese nt	1088	80,2	60,5	108	95	19,5	13	32,3	13,7
36	37	37,5	149,0	4,0	6,6	10,0	1	10,5	Age 10-11	Boys	Pre- adolese nt	998	75,3	60,8	104	85	15,5	18	25,5	20,9
37	38	39,5	142,5	7,0	3,4	7,5	1	10,4	Age 10-11	Boys	Pre- adolese nt	534	67,2	53,5	99	85	13,5	13	25,4	15,1
38	48	51,0	165,0	6,0	6,7	6,5	3	12,7	Age 11-13	Girls	Peri- adolese nt	1078	119,9	101,2	155	138	18,7	17	18,5	12,3
39	50	51,0	155,0	10,0	3,0	7,5	4	13,0	Age 11-13	Boys	Peri- adolese nt	630	105,5	95,3	135	131	10,2	5	10,7	3,8
40	52	51,0	155,5	5,0	7,5	7,5	3	12,5	Age 11-13	Girls	Pre- adolese nt	1078	139,9	120,1	152	152	19,8	0	15,5	,0
41	53	54,0	159,0	6,5	6,5	6,0	3	13,0	Age 11-13	Boys	Peri- adolese nt	1050	115,7	95,0	147	137	20,7	10	21,8	7,3
42	8	46,5	151,0	4,0	7,2	9,0	2	11,2	Age 11-13	Girls	Peri- adolese nt	1184	114,9	97,2	155	141	17,7	15	18,2	10,5
43	40	46,0	152,5	6,0	5,8	7,5	2	11,8	Age 11-13	Girls	Peri- adolese nt	710	88,9	82,5	125	117	6,4	8	7,8	5,8
44	46	38,0	141,0	7,0	4,8	10,0	1	11,8	Age 11-13	Boys	Pre- adolese nt	578	78,1	61,9	107	94	16,2	13	25,2	13,8
45	47	38,5	159,0	6,0	5,7	7,5	2	11,7	Age 11-13	Girls	Peri- adolese nt	805	91,1	82,5	123	119	8,5	4	10,3	3,4
46	49	44,0	152,0	6,5	5,4	7,5	4	11,9	Age 11-13	Boys	Peri- adolese nt	854	115,7	102,1	133	118	14,5	15	14,3	12,7
47	51	48,0	157,0	6,5	5,5	8,5	3	12,0	Age 11-13	Girls	Peri- adolese nt	870	100,8	78,8	134	112	22,0	22	27,9	19,5
48	55	44,5	150,0	6,5	5,5	8,5	2	12,1	Age 11-13	Girls	Peri- adolese nt	812	94,9	83,0	135	133	11,9	3	14,3	2,3

a. Limited to first 100 cases.

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	CASE	WEIGHT	HEIGHT	START. AGE 2H W	TRAIN. YEARS	H.WEEK	TANNER	AGE	AGE GROUP	SEX	TANNER.	TTV	LEG_BM C D	LEG_BM C ND	LEG_BA D	LEG_BA ND	LEG_ASY M BMC	LEG_ASY M BA	LEG_ASY M PC BMC	LEG_ASY M PC BA
1	5	31.0	135.0	5.0	3.1	5.0	1	8.1	Age 7-9	Boys	Pre-adolescent	452	169.4	165.1	187	196	4.3	-9	2.6	-4.6
2	7	25.5	125.0	5.5	2.4	5.0	1	7.9	Age 7-9	Girls	Pre-adolescent	228	157.6	154.2	185	184	3.4	-26	2.2	-14.1
3	14	32.0	131.5	5.5	2.7	5.0	1	8.2	Age 7-9	Girls	Pre-adolescent	360	190.6	191.4	219	210	-8	9	-4	4.3
4	19	30.0	134.0	5.5	3.3	4.5	1	8.8	Age 7-9	Boys	Pre-adolescent	400	191.0	190.1	208	209	.9	-1	.5	-5
5	25	49.5	140.0	7.0	1.1	4.5	1	8.1	Age 7-9	Boys	Pre-adolescent	136	280.0	280.2	246	247	-.2	-1	-.1	-.4
6	27	29.0	131.0	5.0	3.7	5.0	1	8.7	Age 7-9	Girls	Pre-adolescent	368	184.6	174.5	203	199	10.1	4	5.8	2.0
7	31	28.5	132.0	5.0	3.5	6.0	1	8.5	Age 7-9	Boys	Pre-adolescent	520	188.0	188.3	215	215	-.3	0	-.2	.0
8	41	26.0	130.0	7.0	1.7	5.0	1	8.7	Age 7-9	Boys	Pre-adolescent	144	204.1	193.9	201	184	10.2	17	5.3	9.2
9	24	24.0	122.0	4.0	3.6	4.5	1	7.6	Age 7-9	Girls	Pre-adolescent	272	125.4	130.4	167	170	-5.0	-3	-3.8	-1.8
10	26	31.5	123.5	4.0	3.5	4.5	1	7.5	Age 7-9	Boys	Pre-adolescent	362	163.5	164.3	176	189	-.8	-13	-.5	-6.9
11	30	33.0	144.0	4.0	4.4	5.0	1	8.4	Age 7-9	Girls	Pre-adolescent	524	259.0	261.8	274	280	-2.8	-6	-1.1	-2.1
12	2	35.0	141.0	5.0	4.5	6.0	1	9.5	Age 9-10	Boys	Pre-adolescent	400	229.3	244.6	237	243	-15.3	-6	-6.3	-2.5
13	3	28.0	132.5	4.0	5.4	6.0	1	9.4	Age 9-10	Girls	Pre-adolescent	648	192.8	195.4	207	200	-2.6	7	-1.3	3.5
14	4	29.5	131.5	4.0	5.5	6.0	1	9.5	Age 9-10	Girls	Pre-adolescent	648	177.3	177.1	204	196	.2	8	.1	4.1
15	13	35.0	139.0	5.0	4.5	6.0	1	9.5	Age 9-10	Boys	Pre-adolescent	536	211.3	196.5	223	208	14.8	15	7.5	7.2
16	15	31.0	129.0	6.0	3.2	6.0	1	9.2	Age 9-10	Boys	Pre-adolescent	440	190.2	198.3	215	218	-8.1	-3	-4.1	-1.4
17	17	34.0	137.5	5.0	4.4	6.0	1	9.4	Age 9-10	Boys	Pre-adolescent	528	233.7	229.7	244	233	4.0	11	1.7	4.7
18	18	32.0	141.0	6.0	3.7	6.0	2	9.7	Age 9-10	Boys	Peri-adolescent	424	210.9	199.3	234	224	11.6	10	5.8	4.5
19	28	28.0	128.0	6.0	3.5	6.0	1	9.5	Age 9-10	Boys	Pre-adolescent	518	136.4	141.9	178	177	-5.5	1	-3.9	.6
20	29	40.0	142.0	5.0	4.3	6.0	1	9.3	Age 9-10	Boys	Pre-adolescent	568	288.3	267.5	259	250	20.8	9	7.8	3.6
21	32	31.0	136.5	4.0	5.4	7.5	1	9.4	Age 9-10	Girls	Pre-adolescent	710	197.5	212.5	216	231	-15.0	-15	-7.1	-6.5
22	39	30.5	132.0	4.0	5.6	6.0	1	9.6	Age 9-10	Boys	Pre-adolescent	488	189.6	185.6	205	201	4.0	4	2.2	2.0
23	54	30.0	134.0	6.0	3.5	4.5	1	9.5	Age 9-10	Girls	Pre-adolescent	406	173.6	172.9	227	228	.7	-1	.4	-.4
24	1	44.0	153.0	6.5	4.4	5.0	3	10.9	Age 10-11	Boys	Peri-adolescent	452	325.7	329.5	307	318	-3.8	-11	-1.2	-3.5
25	6	39.5	144.0	5.0	5.0	11.5	1	10.0	Age 10-11	Boys	Pre-adolescent	864	262.8	271.4	289	279	-8.6	10	-3.2	3.6
26	10	35.5	146.0	5.0	5.0	9.0	1	10.0	Age 10-11	Girls	Pre-adolescent	614	255.5	247.2	277	268	8.3	9	3.4	3.4
27	11	44.0	152.5	3.5	7.3	9.0	2	10.8	Age 10-11	Girls	Peri-adolescent	742	305.3	299.4	317	317	5.9	0	2.0	.0
28	12	36.5	145.0	5.5	5.4	9.0	1	10.9	Age 10-11	Girls	Pre-adolescent	614	273.3	282.5	276	278	-9.2	-2	-3.3	-.7
29	20	33.0	136.5	6.0	4.1	6.0	2	10.1	Age 10-11	Boys	Peri-adolescent	520	205.2	200.4	228	235	4.8	-7	2.4	-3.0
30	21	30.5	136.0	5.0	5.6	6.0	1	10.6	Age 10-11	Girls	Pre-adolescent	552	217.9	214.8	239	240	3.1	-1	1.4	-.4
31	23	33.0	144.0	5.0	5.6	6.0	2	10.6	Age 10-11	Girls	Peri-adolescent	584	267.4	271.9	273	272	-4.5	1	-1.7	.4
32	33	38.0	152.0	4.5	6.4	7.5	2	10.9	Age 10-11	Girls	Peri-adolescent	886	329.1	322.6	299	301	6.5	-2	2.0	-.7
33	34	29.0	138.5	4.0	6.2	7.5	1	10.2	Age 10-11	Girls	Pre-adolescent	774	207.8	214.4	228	230	-6.6	-2	-3.1	-.9
34	35	33.0	144.5	8.0	2.7	7.5	2	10.7	Age 10-11	Girls	Peri-adolescent	454	235.3	247.5	241	258	-12.2	-17	-4.9	-6.6
35	36	38.0	147.5	4.0	6.7	12.0	2	10.7	Age 10-11	Boys	Peri-adolescent	1088	273.4	286.7	260	274	-13.3	-14	-4.6	-5.1
36	37	37.5	149.0	4.0	6.6	10.0	1	10.6	Age 10-11	Boys	Pre-adolescent	998	295.8	301.7	292	290	-5.9	2	-2.0	.7
37	38	39.5	142.5	7.0	3.4	7.5	1	10.4	Age 10-11	Boys	Pre-adolescent	534	251.2	243.4	257	257	7.8	0	3.2	.0
38	48	51.0	165.0	6.0	6.7	6.5	3	12.7	Age 11-13	Girls	Peri-adolescent	1078	423.2	417.3	340	330	5.9	10	1.4	3.0
39	50	51.0	155.0	10.0	3.0	7.5	4	13.0	Age 11-13	Boys	Peri-adolescent	630	350.6	353.1	307	328	-2.5	-21	-.7	-6.4
40	52	61.0	165.5	5.0	7.5	7.5	3	12.5	Age 11-13	Girls	Peri-adolescent	1078	483.1	495.8	354	369	-12.7	-15	-2.6	-4.1
41	53	54.0	159.0	6.5	6.5	6.0	3	13.0	Age 11-13	Boys	Peri-adolescent	1060	430.2	464.5	328	344	-34.3	-16	-7.4	-4.7
42	8	46.5	151.0	4.0	7.2	9.0	2	11.2	Age 11-13	Girls	Peri-adolescent	1184	398.2	397.1	315	309	1.1	6	.3	1.9
43	40	46.0	152.5	6.0	5.8	7.5	2	11.8	Age 11-13	Girls	Peri-adolescent	710	375.1	372.1	322	313	3.0	9	.8	2.9
44	46	38.0	141.0	7.0	4.8	10.0	1	11.8	Age 11-13	Boys	Pre-adolescent	578	283.4	277.1	255	259	6.3	-4	2.3	-1.5
45	47	38.5	159.0	6.0	5.7	7.5	2	11.7	Age 11-13	Girls	Peri-adolescent	806	375.7	366.5	332	329	9.2	3	2.5	.9
46	49	44.0	152.0	6.5	5.4	7.5	4	11.9	Age 11-13	Boys	Peri-adolescent	854	347.1	342.1	280	276	5.0	4	1.5	1.4
47	51	48.0	157.0	6.5	5.5	8.5	3	12.0	Age 11-13	Girls	Peri-adolescent	870	370.8	379.7	307	317	-8.9	-10	-2.3	-3.2
48	56	44.5	160.0	6.5	5.6	8.5	2	12.1	Age 11-13	Girls	Peri-adolescent	812	314.4	327.3	321	328	-12.9	-7	-3.9	-2.1

a. Limited to first 100 cases.