

ANTHROPOMETRIC DATA

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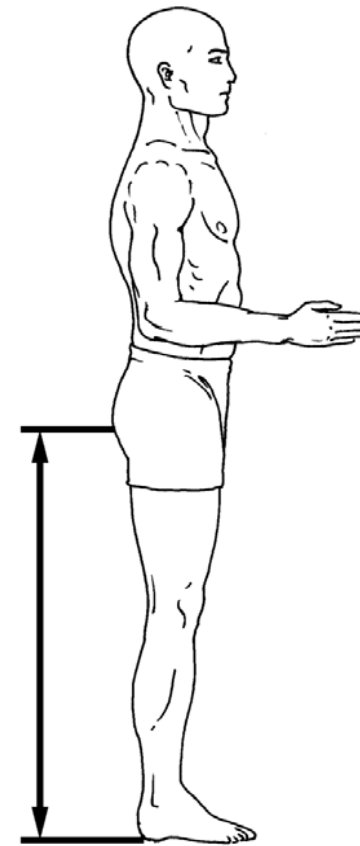
Excerpts from :

Gordon, Claire C. et. al *1988 Anthropometric Survey of U.S. Personnel: Summary Statistics Interim Report*. March 1989.



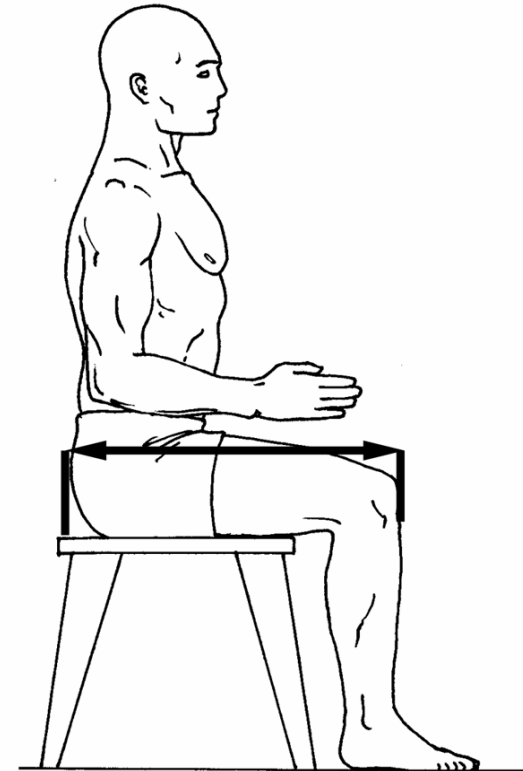
Buttock Height

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
83.83	Mean	33.01	88.74	Mean	34.94
4.52	Std Dev	1.78	4.71	Std Dev	1.85
102.20	Maximum	40.24	111.40	Maximum	43.86
65.30	Minimum	25.71	71.50	Minimum	28.15
Percentiles			Percentiles		
73.89	1 st	29.09	78.43	1 st	30.88
75.02	2 nd	29.53	79.71	2 nd	31.38
75.73	3 rd	29.81	80.48	3 rd	31.68
76.69	5 th	30.19	81.48	5 th	32.08
78.18	10 th	30.78	82.98	10 th	32.67
79.20	15 th	31.18	83.99	15 th	33.07
80.01	20 th	31.50	84.79	20 th	33.38
80.72	25 th	31.78	85.49	25 th	33.66
81.36	30 th	32.03	86.13	30 th	33.91
81.96	35 th	32.27	86.74	35 th	34.15
82.54	40 th	32.50	87.32	40 th	34.38
83.10	45 th	32.72	87.89	45 th	34.60
83.66	50 th	32.94	88.47	50 th	34.83
84.23	55 th	33.16	89.06	55 th	35.06
84.81	60 th	33.39	89.66	60 th	35.30
85.42	65 th	33.63	90.30	65 th	35.55
86.07	70 th	33.88	90.99	70 th	35.82
86.77	75 th	34.16	91.75	75 th	36.12
87.57	80 th	34.48	92.61	80 th	36.46
88.51	85 th	34.85	93.62	85 th	36.86
89.71	90 th	35.32	94.93	90 th	37.37
91.50	95 th	36.02	96.89	95 th	38.14
92.67	97 th	36.48	98.15	97 th	38.64
93.53	98 th	36.82	99.06	98 th	39.00
94.86	99 th	37.35	100.46	99 th	39.55



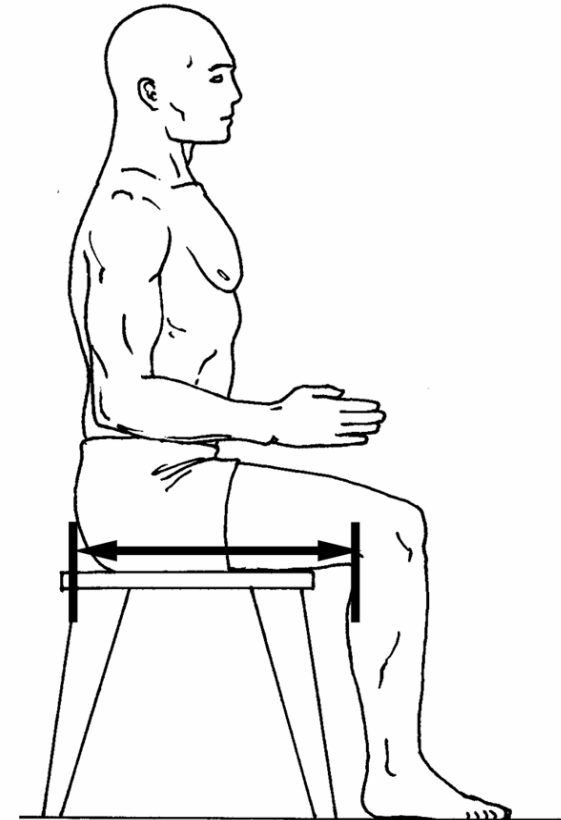
Buttock-Knee Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
58.89	Mean	23.19	61.64	Mean	24.27
2.96	Std Dev	1.17	2.99	Std Dev	1.18
69.10	Maximum	27.20	72.30	Maximum	28.46
49.10	Minimum	19.33	50.60	Minimum	19.92
Percentiles			Percentiles		
52.18	1 st	20.54	55.07	1 st	21.68
53.03	2 nd	20.88	55.81	2 nd	21.97
53.54	3 rd	21.08	56.28	3 rd	22.16
54.21	5 th	21.34	56.90	5 th	22.40
55.20	10 th	21.73	57.87	10 th	22.78
55.87	15 th	22.00	58.54	15 th	23.05
56.39	20 th	22.20	59.08	20 th	23.26
56.85	25 th	22.38	59.55	25 th	23.45
57.27	30 th	22.55	59.98	30 th	23.62
57.66	35 th	22.70	60.39	35 th	23.77
58.04	40 th	22.85	60.78	40 th	23.93
58.41	45 th	23.00	61.16	45 th	24.08
58.78	50 th	23.14	61.54	50 th	24.23
59.15	55 th	23.29	61.93	55 th	24.38
59.54	60 th	23.44	62.32	60 th	24.54
59.95	65 th	23.60	62.73	65 th	24.70
60.38	70 th	23.77	63.17	70 th	24.87
60.85	75 th	23.96	63.65	75 th	25.06
61.39	80 th	24.17	64.19	80 th	25.27
62.01	85 th	24.41	64.81	85 th	25.52
62.81	90 th	24.73	65.60	90 th	25.83
63.98	95 th	25.19	66.74	95 th	26.28
64.72	97 th	25.48	67.45	97 th	26.56
65.24	98 th	25.69	67.95	98 th	26.75
66.02	99 th	25.99	68.69	99 th	27.04



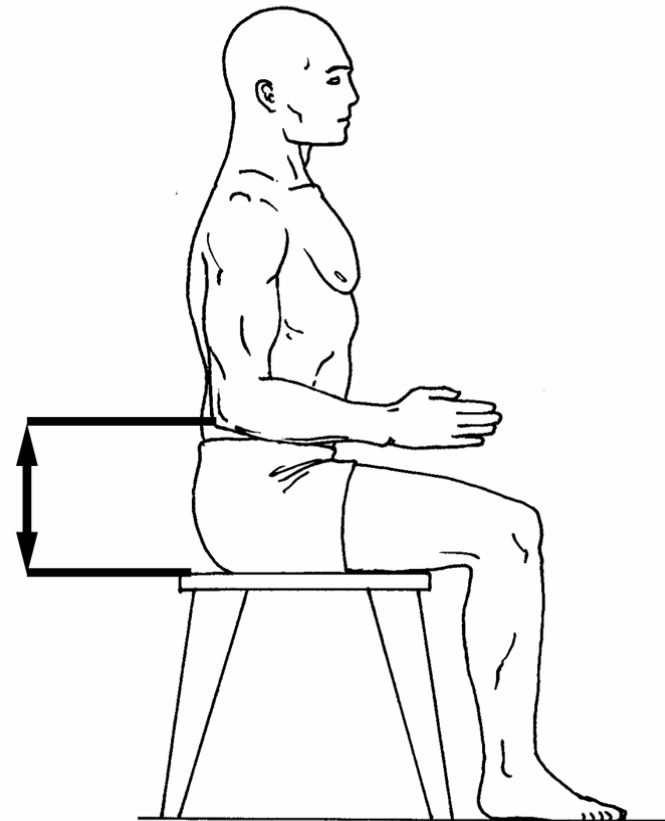
Buttock-Popliteal Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
48.17	Mean	18.96	50.04	Mean	19.70
2.66	Std Dev	1.05	2.66	Std Dev	1.05
57.80	Maximum	22.76	59.70	Maximum	23.50
39.40	Minimum	15.51	40.10	Minimum	15.79
Percentiles			Percentiles		
42.10	1 st	16.57	44.13	1 st	17.37
42.91	2 nd	16.89	44.81	2 nd	17.64
43.39	3 rd	17.08	45.24	3 rd	17.81
44.00	5 th	17.32	45.81	5 th	18.04
44.89	10 th	17.67	46.70	10 th	18.39
45.47	15 th	17.90	47.30	15 th	18.62
45.93	20 th	18.08	47.79	20 th	18.81
46.34	25 th	18.24	48.21	25 th	18.98
46.71	30 th	18.39	48.59	30 th	19.13
47.05	35 th	18.52	48.95	35 th	19.27
47.39	40 th	18.66	49.29	40 th	19.41
47.72	45 th	18.79	49.63	45 th	19.54
48.05	50 th	18.92	49.96	50 th	19.67
48.39	55 th	19.05	50.30	55 th	19.80
48.73	60 th	19.19	50.65	60 th	19.94
49.10	65 th	19.33	51.01	65 th	20.08
49.49	70 th	19.49	51.39	70 th	20.23
49.93	75 th	19.66	51.81	75 th	20.40
50.42	80 th	19.85	52.28	80 th	20.58
50.99	85 th	20.07	52.83	85 th	20.80
51.72	90 th	20.36	53.53	90 th	21.07
52.77	95 th	20.78	54.55	95 th	21.48
53.43	97 th	21.03	55.21	97 th	21.74
53.88	98 th	21.21	55.68	98 th	21.92
54.54	99 th	21.47	56.40	99 th	22.21



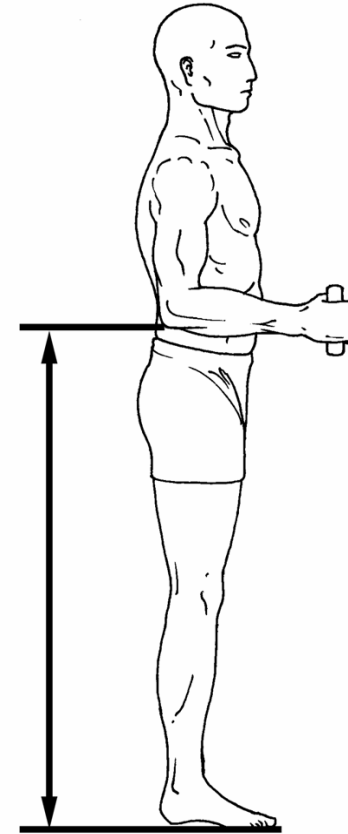
Elbow Rest Height, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
22.05	Mean	8.68	23.06	Mean	9.08
2.68	Std Dev	1.05	2.72	Std Dev	1.07
30.20	Maximum	11.89	31.10	Maximum	12.24
12.40	Minimum	4.88	14.00	Minimum	5.51
Percentiles			Percentiles		
15.80	1 st	6.22	16.75	1 st	6.60
16.49	2 nd	6.49	17.35	2 nd	6.83
16.94	3 rd	6.67	17.78	3 rd	7.00
17.57	5 th	6.92	18.41	5 th	7.25
18.56	10 th	7.31	19.44	10 th	7.65
19.24	15 th	7.57	20.17	15 th	7.94
19.77	20 th	7.87	20.74	20 th	8.17
20.24	25 th	7.97	21.24	25 th	8.36
20.65	30 th	8.13	21.69	30 th	8.54
21.03	35 th	8.28	22.09	35 th	8.70
21.39	40 th	8.42	22.47	40 th	8.85
21.74	45 th	8.56	22.83	45 th	8.99
22.08	50 th	8.69	23.19	50 th	9.13
22.42	55 th	8.83	23.53	55 th	9.27
22.77	60 th	8.96	23.88	60 th	9.40
23.12	65 th	9.10	24.23	65 th	9.54
23.49	70 th	9.25	24.59	70 th	9.68
23.89	75 th	9.41	24.98	75 th	9.83
24.33	80 th	9.58	25.40	80 th	10.00
24.84	85 th	9.78	25.88	85 th	10.19
25.49	90 th	10.03	26.48	90 th	10.43
26.44	95 th	10.41	27.37	95 th	10.78
27.06	97 th	10.65	27.96	97 th	11.01
27.52	98 th	10.83	28.41	98 th	11.19
28.24	99 th	11.12	29.16	99 th	11.48



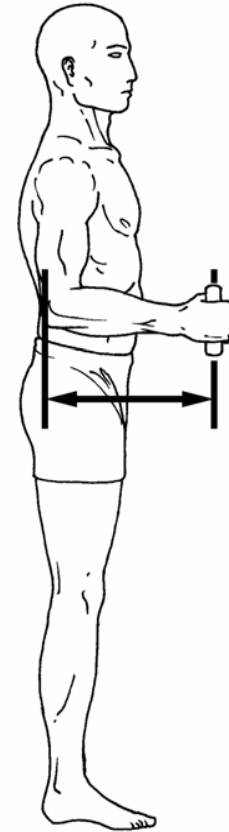
Elbow Rest Height, Standing

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
99.79	Mean	39.29	107.25	Mean	42.22
4.48	Std Dev	1.76	4.81	Std Dev	1.89
118.50	Maximum	46.65	126.10	Maximum	49.65
85.60	Minimum	33.70	88.80	Minimum	34.96
Percentiles			Percentiles		
89.51	1 st	35.24	96.18	1 st	37.87
90.80	2 nd	35.75	97.56	2 nd	38.41
91.58	3 rd	36.06	98.40	3 rd	38.74
92.63	5 th	36.47	99.52	5 th	39.18
94.20	10 th	37.09	101.21	10 th	39.85
95.24	15 th	37.50	102.34	15 th	40.29
96.06	20 th	37.82	103.23	20 th	40.64
96.77	25 th	38.10	104.00	25 th	40.95
97.41	30 th	38.35	104.70	30 th	41.22
98.00	35 th	38.58	105.35	35 th	41.48
98.57	40 th	38.87	105.97	40 th	41.72
99.12	45 th	39.02	106.57	45 th	41.96
99.67	50 th	39.24	107.18	50 th	42.20
100.23	55 th	39.46	107.78	55 th	42.43
100.79	60 th	39.68	108.40	60 th	42.68
101.38	65 th	39.92	109.05	65 th	42.93
102.02	70 th	40.16	109.73	70 th	43.20
102.71	75 th	40.44	110.47	75 th	43.49
103.49	80 th	40.74	111.31	80 th	43.82
104.41	85 th	41.11	112.28	85 th	44.20
105.60	90 th	41.57	113.50	90 th	44.68
107.40	95 th	42.28	115.28	95 th	45.39
108.59	97 th	42.75	116.41	97 th	45.83
109.47	98 th	43.10	117.21	98 th	46.15
110.87	99 th	43.65	118.41	99 th	46.62



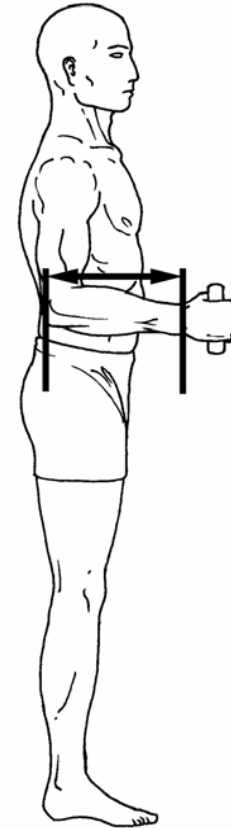
Elbow-Center of Grip Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
32.88	Mean	12.94	36.00	Mean	14.17
1.77	Std Dev	.70	1.79	Std Dev	.70
41.30	Maximum	16.26	43.60	Maximum	17.17
23.70	Minimum	9.33	29.30	Minimum	11.54
Percentiles			Percentiles		
29.93	1 st	11.39	32.26	1 st	12.70
29.35	2 nd	11.56	32.64	2 nd	12.85
29.63	3 rd	11.67	32.89	3 rd	12.95
30.02	5 th	11.82	33.23	5 th	13.08
30.63	10 th	12.06	33.78	10 th	13.30
31.04	15 th	12.22	34.16	15 th	13.45
31.37	20 th	12.35	34.47	20 th	13.57
31.66	25 th	12.47	34.75	25 th	13.68
31.92	30 th	12.57	35.00	30 th	13.78
32.17	35 th	12.66	35.24	35 th	13.87
32.40	40 th	12.75	35.47	40 th	13.97
32.62	45 th	12.84	35.70	45 th	14.05
32.84	50 th	12.93	35.92	50 th	14.14
33.06	55 th	13.02	36.15	55 th	14.23
33.29	60 th	13.10	36.39	60 th	14.33
33.52	65 th	13.20	36.63	65 th	14.42
33.77	70 th	13.29	36.89	70 th	14.52
34.04	75 th	13.40	37.18	75 th	14.64
34.34	80 th	13.52	37.50	80 th	14.76
34.69	85 th	13.66	37.87	85 th	14.91
35.15	90 th	13.84	38.35	90 th	15.10
35.84	95 th	14.11	39.06	95 th	15.38
36.29	97 th	14.29	39.51	97 th	15.55
36.64	98 th	14.42	39.83	98 th	15.68
37.20	99 th	14.64	40.33	99 th	15.88



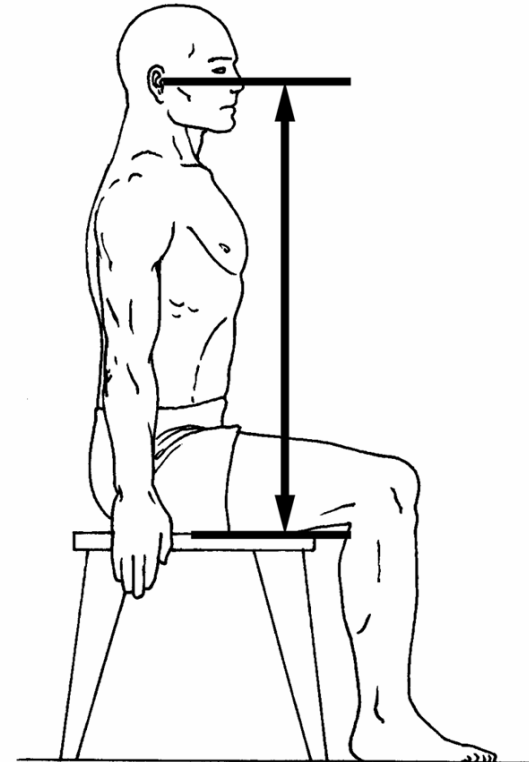
Elbow-Wrist Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
26.25	Mean	10.33	29.03	Mean	11.43
1.54	Std Dev	.61	1.54	Std Dev	.61
33.40	Maximum	13.15	35.00	Maximum	13.78
17.00	Minimum	6.69	22.60	Minimum	8.90
Percentiles			Percentiles		
22.94	1 st	9.03	25.79	1 st	10.15
23.26	2 nd	9.16	26.09	2 nd	10.27
23.47	3 rd	9.24	26.30	3 rd	10.35
23.78	5 th	9.36	26.60	5 th	10.47
24.28	10 th	9.56	27.09	10 th	10.66
24.64	15 th	9.70	27.44	15 th	10.80
24.93	20 th	9.81	27.72	20 th	10.91
25.18	25 th	9.91	27.97	25 th	11.01
25.41	30 th	10.00	28.19	30 th	11.10
25.62	35 th	10.09	28.40	35 th	11.18
25.83	40 th	10.17	28.60	40 th	11.26
26.03	45 th	10.25	28.80	45 th	11.34
26.22	50 th	10.32	28.99	50 th	11.41
26.42	55 th	10.40	29.18	55 th	11.49
26.62	60 th	10.48	29.38	60 th	11.57
26.83	65 th	10.56	29.58	65 th	11.65
27.05	70 th	10.65	29.80	70 th	11.73
27.29	75 th	10.74	30.03	75 th	11.82
27.56	80 th	10.85	30.30	80 th	11.93
27.86	85 th	10.97	30.61	85 th	12.05
28.26	90 th	11.12	31.01	90 th	12.21
28.83	95 th	11.35	31.61	95 th	12.45
29.21	97 th	11.50	32.02	97 th	12.61
29.49	98 th	11.61	32.33	98 th	12.73
29.93	99 th	11.78	32.84	99 th	12.93



Eye Height Approximation, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
72.85	Mean	28.68	78.30	Mean	30.83
3.31	Std Dev	1.30	3.38	Std Dev	1.33
84.00	Maximum	33.07	89.30	Maximum	35.16
63.00	Minimum	24.80	67.70	Minimum	26.65
Percentiles			Percentiles		
65.48	1 st	25.78	70.14	1 st	27.61
66.27	2 nd	26.09	71.17	2 nd	28.02
66.78	3 rd	26.29	71.81	3 rd	28.27
67.48	5 th	26.57	72.66	5 th	28.60
68.59	10 th	27.01	73.93	10 th	29.10
69.37	15 th	27.31	74.77	15 th	29.44
69.99	20 th	27.55	75.43	20 th	29.70
70.54	25 th	27.77	76.01	25 th	29.92
71.03	30 th	27.96	76.52	30 th	30.13
71.49	35 th	28.15	77.00	35 th	30.31
74.93	40 th	28.32	77.45	40 th	30.49
72.36	45 th	28.49	77.89	45 th	30.66
72.79	50 th	28.66	78.32	50 th	30.83
73.22	55 th	28.83	78.75	55 th	31.01
73.66	60 th	29.00	79.19	60 th	31.18
74.11	65 th	29.18	79.65	65 th	31.36
74.59	70 th	29.37	80.13	70 th	31.55
75.11	75 th	29.57	80.64	75 th	31.75
75.69	80 th	29.80	81.22	80 th	31.97
76.36	85 th	30.06	81.87	85 th	32.23
77.19	90 th	30.39	82.68	90 th	32.55
78.41	95 th	30.87	83.83	95 th	33.01
79.17	97 th	31.17	84.53	97 th	33.28
79.71	98 th	31.38	85.02	98 th	33.47
80.52	99 th	31.70	85.71	99 th	33.74

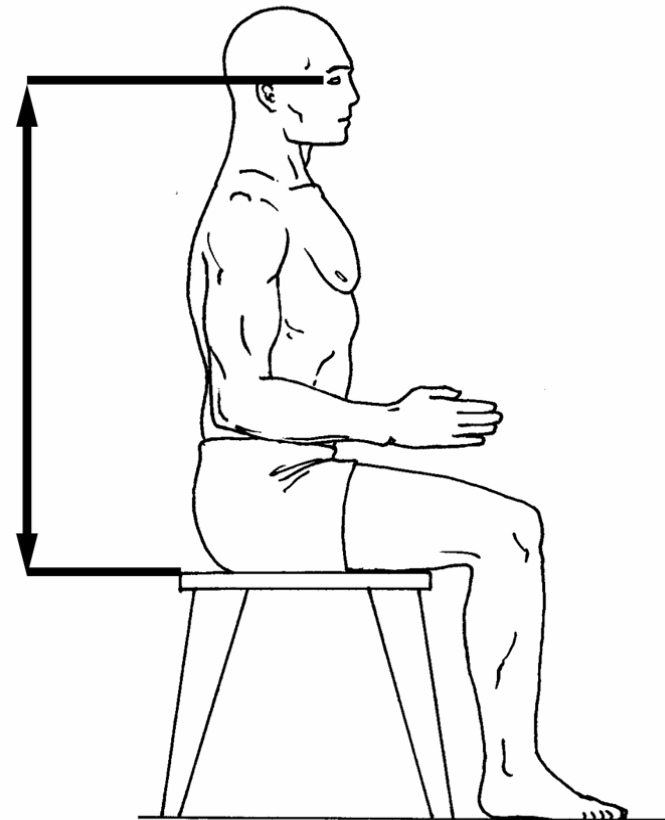


FEMALE
N = 2208

<u>Centimeters</u>		<u>Inches</u>
73.87	Mean	29.08
3.32	Std Dev	1.31
86.40	Maximum	34.02
64.00	Minimum	25.20
Percentiles		
66.40	1 st	26.14
67.21	2 nd	26.46
67.74	3 rd	26.67
68.46	5 th	26.95
69.60	10 th	27.40
70.38	15 th	27.71
71.01	20 th	27.96
71.56	25 th	28.17
72.06	30 th	28.37
72.52	35 th	28.55
72.96	40 th	28.72
73.39	45 th	28.89
73.82	50 th	29.06
74.25	55 th	29.23
74.68	60 th	29.40
75.13	65 th	29.58
75.61	70 th	29.77
76.13	75 th	29.97
77.37	80 th	30.20
77.37	85 th	30.46
78.21	90 th	30.79
79.43	95 th	31.27
80.20	97 th	31.57
81.59	99 th	32.12
80.75	98 th	31.79

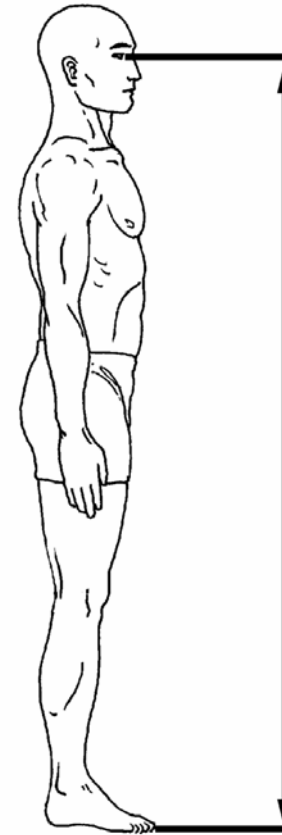
Eye Height, Sitting
MALE
N = 1774

<u>Centimeters</u>		<u>Inches</u>
79.20	Mean	31.18
3.42	Std Dev	1.35
90.30	Maximum	35.55
67.30	Minimum	26.50
Percentiles		
71.18	1 st	28.02
72.11	2 nd	28.39
72.70	3 rd	28.62
73.50	5 th	28.94
74.76	10 th	29.43
75.61	15 th	29.77
76.29	20 th	30.04
76.88	25 th	30.27
77.40	30 th	30.47
77.88	35 th	30.66
78.34	40 th	30.84
78.79	45 th	31.02
79.23	50 th	31.19
79.66	55 th	31.36
80.10	60 th	31.54
80.56	65 th	31.72
81.04	70 th	31.90
81.55	75 th	32.11
82.13	80 th	32.33
82.78	85 th	32.59
83.61	90 th	32.92
84.80	95 th	33.39
85.56	97 th	33.68
86.93	99 th	34.23
86.10	98 th	33.90



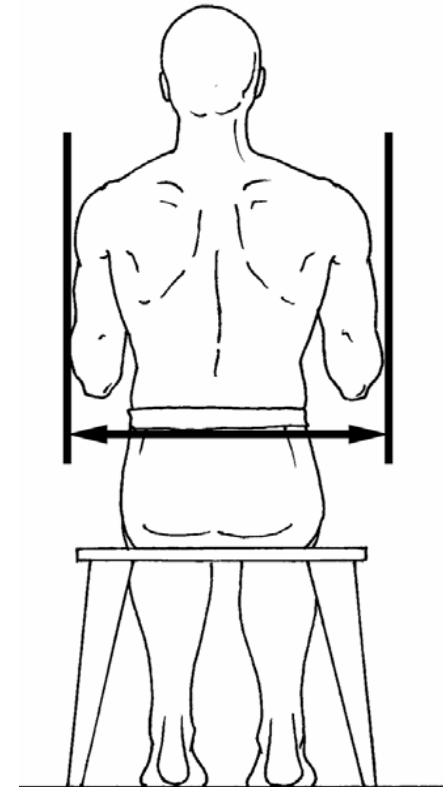
Eye Height, Standing

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
151.61	Mean	59.69	163.39	Mean	64.32
6.25	Std Dev	2.46	6.57	Std Dev	2.59
175.30	Maximum	69.02	191.20	Maximum	75.28
132.50	Minimum	52.17	138.10	Minimum	54.37
Percentiles			Percentiles		
137.39	1 st	54.09	148.40	1 st	58.43
139.07	2 nd	54.75	150.22	2 nd	59.14
140.11	3 rd	55.16	151.33	3 rd	59.14
141.52	5 th	55.72	152.82	5 th	59.58
143.67	10 th	56.56	155.08	10 th	60.17
145.13	15 th	57.14	156.60	15 th	61.05
146.29	20 th	57.59	157.82	20 th	61.65
147.30	25 th	57.99	158.88	25 th	62.13
148.21	30 th	58.35	159.84	30 th	62.55
149.06	35 th	58.68	160.73	35 th	62.93
149.87	40 th	59.00	161.59	40 th	63.62
150.66	45 th	59.32	162.42	45 th	63.95
151.45	50 th	59.63	163.26	50 th	64.28
152.24	55 th	59.94	164.10	55 th	64.61
153.05	60 th	60.26	164.96	60 th	64.94
153.90	65 th	60.59	165.85	65 th	65.30
154.79	70 th	60.94	166.79	70 th	65.67
155.77	75 th	61.33	167.82	75 th	66.07
156.86	80 th	61.76	168.97	80 th	66.52
158.14	85 th	62.26	170.29	85 th	67.04
159.75	90 th	62.90	171.29	90 th	67.69
162.13	95 th	63.83	174.29	95 th	68.62
163.35	97 th	64.43	175.73	97 th	69.18
164.75	98 th	64.86	176.72	98 th	69.57
166.43	99 th	65.52	178.15	99 th	70.14



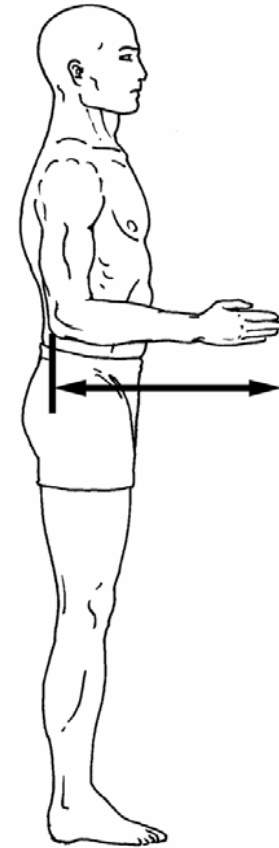
Forearm-Forearm Breadth

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
46.85	Mean	18.44	54.61	Mean	21.50
3.47	Std Dev	1.36	4.36	Std Dev	1.72
60.90	Maximum	23.98	72.52	Maximum	28.54
37.30	Minimum	14.69	39.90	Minimum	15.71
Percentiles			Percentiles		
39.42	1 st	15.52	45.12	1 st	17.76
40.24	2 nd	15.84	46.17	2 nd	18.18
40.76	3 rd	16.05	46.84	3 rd	18.44
41.47	5 th	16.33	47.74	5 th	18.80
42.58	10 th	16.76	49.16	10 th	19.35
43.33	15 th	17.06	50.13	15 th	19.74
43.94	20 th	17.30	50.91	20 th	20.04
44.47	25 th	17.51	51.59	25 th	20.31
44.94	30 th	17.69	52.21	30 th	20.56
45.39	35 th	17.87	52.79	35 th	20.79
45.82	40 th	18.04	53.35	40 th	21.00
46.24	45 th	18.20	53.90	45 th	21.22
46.66	50 th	18.37	54.45	50 th	21.44
47.08	55 th	18.54	55.00	55 th	21.65
47.52	60 th	18.71	55.56	60 th	21.88
47.98	65 th	18.89	56.16	65 th	22.11
48.47	70 th	19.08	56.79	70 th	22.36
49.01	75 th	19.30	57.47	75 th	22.63
49.63	80 th	19.54	58.25	80 th	22.93
50.37	85 th	19.83	59.16	85 th	23.29
51.33	90 th	20.21	60.32	90 th	23.75
52.84	95 th	20.80	62.06	95 th	24.43
53.87	97 th	21.21	63.18	97 th	24.87
54.66	98 th	21.52	64.00	98 th	25.20
55.95	99 th	22.03	65.27	99 th	25.70



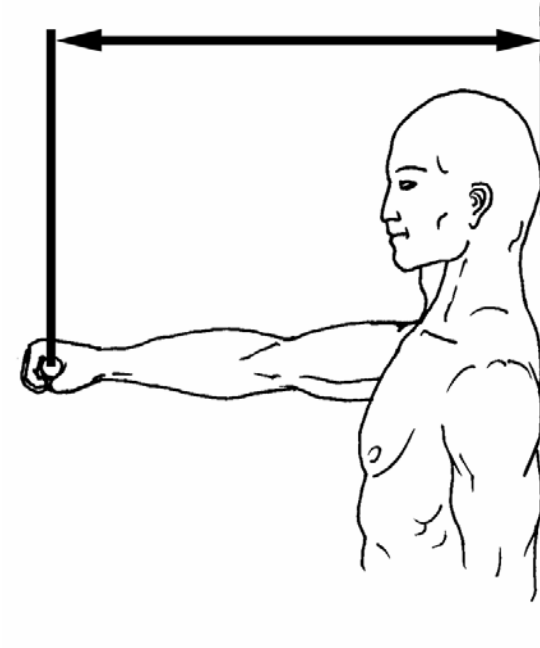
Forearm-Hand Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
44.29	Mean	17.44	48.40	Mean	19.06
2.34	Std Dev	.92	2.33	Std Dev	.92
54.60	Maximum	21.50	57.80	Maximum	22.76
32.40	Minimum	12.76	38.60	Minimum	15.20
Percentiles			Percentiles		
39.14	1 st	15.41	43.43	1 st	17.10
39.74	2 nd	15.65	43.98	2 nd	17.31
40.12	3 rd	15.79	44.32	3 rd	17.45
40.62	5 th	15.99	44.79	5 th	17.63
41.38	10 th	16.29	45.52	10 th	17.92
41.91	15 th	16.50	46.02	15 th	18.12
42.32	20 th	16.66	46.42	20 th	18.28
42.69	25 th	16.81	46.78	25 th	18.42
43.02	30 th	16.94	47.10	30 th	18.54
43.33	35 th	17.06	47.41	35 th	18.66
43.63	40 th	17.18	47.70	40 th	18.78
43.92	45 th	17.29	47.99	45 th	18.89
44.21	50 th	17.41	48.28	50 th	19.01
44.51	55 th	17.52	48.58	55 th	19.12
44.81	60 th	17.64	48.88	60 th	19.24
45.13	65 th	17.77	49.20	65 th	19.37
45.47	70 th	17.90	49.53	70 th	19.50
45.84	75 th	18.05	49.91	75 th	19.65
46.26	80 th	18.21	50.33	80 th	19.82
46.74	85 th	18.40	50.83	85 th	20.01
47.35	90 th	18.64	51.46	90 th	20.26
48.25	95 th	18.99	52.42	95 th	20.64
48.81	97 th	19.22	53.04	97 th	20.88
49.21	98 th	19.38	53.49	98 th	21.06
49.81	99 th	19.61	54.20	99 th	21.34



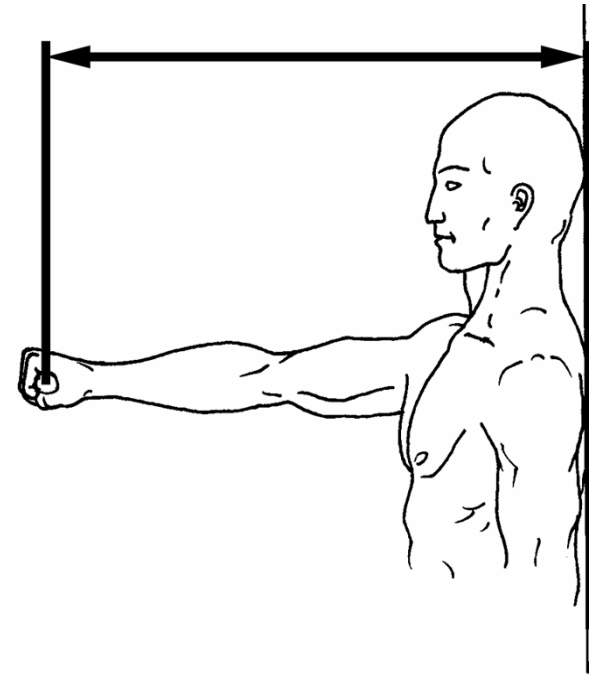
Functional Grip Reach

FEMALE			MALE		
N = 2208			N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
68.61	Mean	27.01	75.07	Mean	29.55
3.39	Std Dev	1.33	3.68	Std Dev	1.45
83.20	Maximum	32.76	92.10	Maximum	36.26
57.50	Minimum	22.64	62.60	Minimum	24.65
Percentiles			Percentiles		
61.51	1 st	24.22	67.26	1 st	26.48
62.12	2 nd	24.46	68.04	2 nd	26.79
62.55	3 rd	24.63	68.55	3 rd	26.99
63.19	5 th	24.88	69.28	5 th	27.28
64.26	10 th	25.30	70.45	10 th	27.74
65.03	15 th	25.60	71.27	15 th	28.06
65.66	20 th	25.85	71.93	20 th	28.32
66.22	25 th	26.07	72.52	25 th	28.55
66.72	30 th	26.27	73.05	30 th	28.76
67.19	35 th	26.45	73.54	35 th	28.95
67.64	40 th	26.63	74.02	40 th	29.14
68.08	45 th	26.80	74.49	45 th	29.33
68.51	50 th	26.97	74.95	50 th	29.51
68.95	55 th	27.15	75.42	55 th	29.69
69.40	60 th	27.32	75.90	60 th	29.88
69.86	65 th	27.50	76.40	65 th	30.08
70.34	70 th	27.69	76.92	70 th	30.29
70.87	75 th	27.90	77.50	75 th	30.51
71.46	80 th	28.14	78.15	80 th	30.77
72.15	85 th	28.41	78.91	85 th	31.07
73.03	90 th	28.75	79.87	90 th	31.45
74.36	95 th	29.27	81.31	95 th	32.01
75.24	97 th	29.62	82.25	97 th	32.38
75.90	98 th	29.88	82.94	98 th	32.65
76.97	99 th	30.30	84.03	99 th	33.08



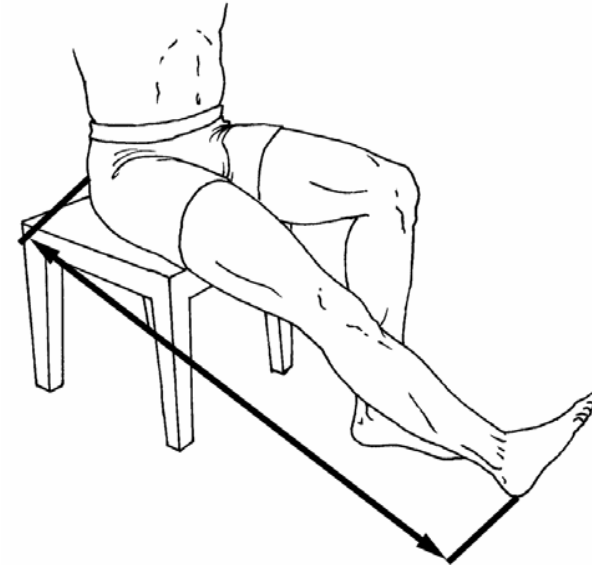
Functional Grip Reach, Extended

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
74.56	Mean	29.35	81.82	Mean	32.21
3.61	Std Dev	1.42	3.91	Std Dev	1.54
92.40	Maximum	36.38	98.60	Maximum	38.82
62.60	Minimum	24.65	68.70	Minimum	27.05
Percentiles			Percentiles		
66.55	1 st	26.20	72.88	1 st	28.69
67.40	2 nd	26.54	73.88	2 nd	29.09
67.96	3 rd	26.76	74.53	3 rd	29.34
68.73	5 th	27.06	75.43	5 th	29.70
69.96	10 th	27.54	76.83	10 th	30.25
70.80	15 th	27.87	77.79	15 th	30.63
71.48	20 th	28.14	78.54	20 th	30.92
72.07	25 th	28.37	79.19	25 th	31.18
72.60	30 th	28.58	79.77	30 th	31.41
73.09	35 th	28.78	80.30	35 th	31.62
73.56	40 th	28.96	80.81	40 th	31.82
74.02	45 th	29.14	81.30	45 th	32.01
74.48	50 th	29.32	81.78	50 th	32.20
74.94	55 th	29.50	82.27	55 th	32.39
75.40	60 th	29.69	82.76	60 th	32.58
75.89	65 th	29.88	83.27	65 th	32.78
76.40	70 th	30.08	83.80	70 th	32.99
76.96	75 th	30.30	84.39	75 th	33.22
77.59	80 th	30.55	85.05	80 th	33.49
78.33	85 th	30.84	85.83	85 th	33.79
79.28	90 th	31.21	86.84	90 th	34.19
80.70	95 th	31.77	88.41	95 th	34.81
81.65	97 th	32.15	89.50	97 th	35.24
82.36	98 th	32.42	90.33	98 th	35.56
83.50	99 th	32.87	91.73	99 th	36.11



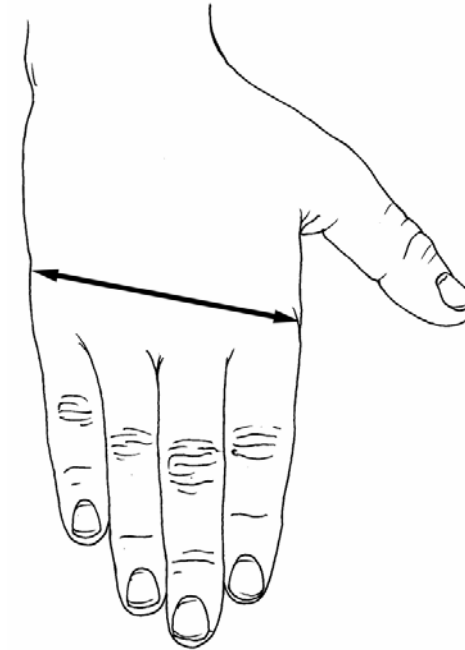
Functional Leg Length, Seated

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
101.20	Mean	39.84	108.21	Mean	42.60
4.91	Std Dev	1.93	5.10	Std Dev	2.01
118.00	Maximum	46.46	129.10	Maximum	50.83
81.90	Minimum	32.24	88.10	Minimum	34.69
Percentiles			Percentiles		
89.76	1 st	35.34	96.90	1 st	38.15
91.20	2 nd	35.91	98.26	2 nd	38.69
92.09	3 rd	36.25	99.09	3 rd	39.01
93.25	5 th	36.71	100.19	5 th	39.44
94.99	10 th	37.40	101.85	10 th	40.10
96.15	15 th	37.86	102.98	15 th	40.54
97.07	20 th	38.21	103.88	20 th	40.90
97.86	25 th	38.53	104.67	25 th	41.21
98.57	30 th	38.81	105.39	30 th	41.49
99.22	35 th	39.06	106.06	35 th	41.76
99.85	40 th	39.31	106.71	40 th	42.01
100.47	45 th	39.55	107.35	45 th	42.26
101.08	50 th	39.79	107.99	50 th	42.52
101.70	55 th	40.04	108.64	55 th	42.77
102.32	60 th	40.28	109.30	60 th	43.03
102.98	65 th	40.54	110.00	65 th	43.31
103.67	70 th	40.82	110.75	70 th	43.60
104.43	75 th	41.12	111.56	75 th	43.92
105.29	80 th	41.45	112.48	80 th	44.28
106.28	85 th	41.84	113.55	85 th	44.71
107.55	90 th	42.34	114.91	90 th	45.24
109.42	95 th	43.08	116.89	95 th	46.02
110.62	97 th	43.55	118.14	97 th	46.51
111.49	98 th	43.89	119.02	98 th	46.86
112.82	99 th	44.42	120.33	99 th	47.38



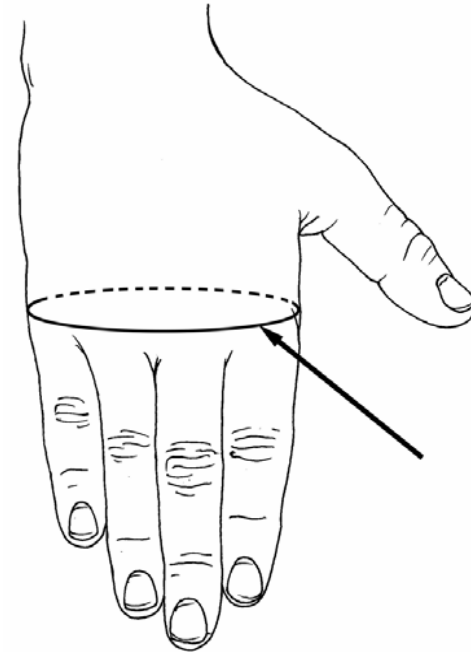
Hand Breadth

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
7.94	Mean	3.13	9.04	Mean	3.56
.38	Std Dev	.15	.42	Std Dev	.17
9.80	Maximum	3.86	10.60	Maximum	4.17
6.60	Minimum	2.60	7.70	Minimum	3.03
Percentiles			Percentiles		
7.09	1 st	2.79	8.07	1 st	3.18
7.19	2 nd	2.83	8.19	2 nd	3.22
7.25	3 rd	2.86	8.27	3 rd	3.25
7.34	5 th	2.89	8.36	5 th	3.29
7.47	10 th	2.94	8.51	10 th	3.35
7.56	15 th	2.98	8.61	15 th	3.39
8.63	20 th	3.00	8.69	20 th	3.42
7.69	25 th	3.03	8.75	25 th	3.45
7.74	30 th	3.05	8.82	30 th	3.47
7.79	35 th	3.07	8.87	35 th	3.49
7.84	40 th	3.09	8.93	40 th	3.51
7.89	45 th	3.11	8.98	45 th	3.54
7.93	50 th	3.12	9.03	50 th	3.56
7.98	55 th	3.14	9.09	55 th	3.58
8.03	60 th	3.16	9.14	60 th	3.60
8.08	65 th	3.18	9.20	65 th	3.62
8.13	70 th	3.20	9.26	70 th	3.64
8.18	75 th	3.22	9.32	75 th	3.67
8.25	80 th	3.25	9.40	80 th	6.70
8.32	85 th	3.28	9.48	85 th	3.73
8.42	90 th	3.31	9.59	90 th	3.78
8.56	95 th	3.37	9.76	95 th	3.84
8.66	97 th	3.41	9.86	97 th	3.88
8.74	98 th	3.44	9.93	98 th	3.91
8.86	99 th	3.49	10.04	99 th	3.95



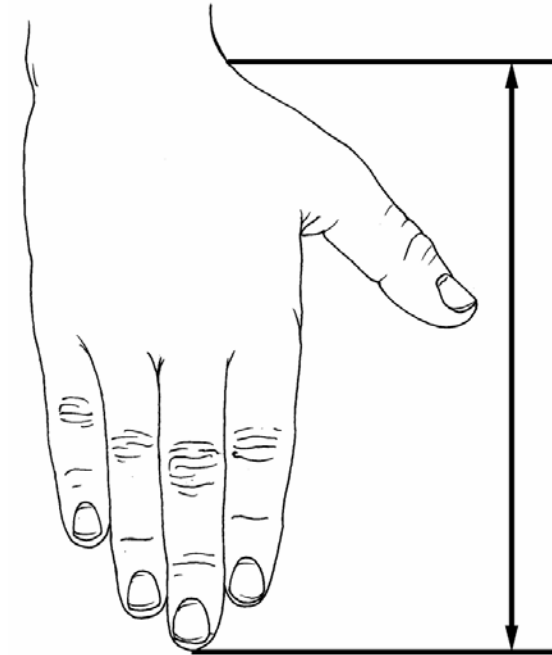
Hand Circumference

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
18.62	Mean	7.33	21.38	Mean	8.42
.85	Std Dev	.33	.97	Std Dev	.38
23.00	Maximum	9.06	24.70	Maximum	9.72
15.80	Minimum	6.22	18.20	Minimum	7.17
Percentiles			Percentiles		
16.73	1 st	6.59	19.16	1 st	7.54
16.93	2 nd	6.67	19.45	2 nd	7.66
17.07	3 rd	6.72	19.62	3 rd	7.72
17.25	5 th	6.79	19.85	5 th	7.81
17.55	10 th	6.91	20.18	10 th	7.94
17.75	15 th	6.99	20.40	15 th	8.03
17.91	20 th	7.05	20.57	20 th	8.10
18.04	25 th	7.10	20.72	25 th	8.16
18.17	30 th	7.15	20.86	30 th	8.21
18.28	35 th	7.20	20.98	35 th	8.26
18.39	40 th	7.24	21.11	40 th	8.31
18.50	45 th	7.28	21.22	45 th	8.36
18.60	50 th	7.32	21.34	50 th	8.40
18.70	55 th	7.36	21.46	55 th	8.45
18.81	60 th	7.41	21.59	60 th	8.50
18.92	65 th	7.45	21.72	65 th	8.55
19.04	70 th	7.49	21.86	70 th	8.61
19.16	75 th	7.54	22.01	75 th	8.67
19.30	80 th	7.60	22.18	80 th	8.73
19.47	85 th	7.67	22.38	85 th	8.81
19.69	90 th	7.75	22.64	90 th	8.92
20.03	95 th	7.88	23.03	95 th	9.07
20.25	97 th	7.97	23.28	97 th	9.17
20.43	98 th	8.04	23.46	98 th	9.24
20.72	99 th	8.16	23.74	99 th	9.35



Hand Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
18.05	Mean	7.10	19.38	Mean	7.63
.97	Std Dev	.38	.98	Std Dev	.39
21.50	Maximum	8.46	23.30	Maximum	9.17
14.90	Minimum	5.87	16.00	Minimum	6.30
Percentiles			Percentiles		
15.89	1 st	6.26	17.28	1 st	6.80
16.13	2 nd	6.35	17.52	2 nd	6.90
16.29	3 rd	6.41	17.67	3 rd	6.96
16.50	5 th	6.50	17.87	5 th	7.04
16.83	10 th	6.63	18.18	10 th	7.16
17.06	15 th	6.72	18.39	15 th	7.24
17.24	20 th	6.79	18.56	20 th	7.31
17.39	25 th	6.85	18.71	25 th	7.37
17.53	30 th	6.90	18.85	30 th	7.42
17.66	35 th	6.95	18.97	35 th	7.47
17.78	40 th	7.00	19.09	40 th	7.52
17.90	45 th	7.05	19.21	45 th	7.56
18.02	50 th	7.09	19.33	50 th	7.61
18.14	55 th	7.14	19.45	55 th	7.66
18.26	60 th	7.19	19.57	60 th	7.70
18.39	65 th	7.24	19.70	65 th	7.75
18.52	70 th	7.29	19.84	70 th	7.81
18.67	75 th	7.35	19.99	75 th	7.87
18.84	80 th	7.42	20.16	80 th	7.94
19.04	85 th	7.49	20.37	85 th	8.02
19.29	90 th	7.60	20.64	90 th	8.13
19.69	95 th	7.75	21.06	95 th	8.29
19.96	97 th	7.86	21.34	97 th	8.40
20.16	98 th	7.94	21.55	98 th	8.49
20.50	99 th	8.07	21.90	99 th	8.62



Hip Breadth

FEMALE
N = 2208

<u>Centimeters</u>		<u>Inches</u>
34.27	Mean	13.49
2.24	Std Dev	.88
42.00	Maximum	16.54
27.00	Minimum	10.63

Percentiles

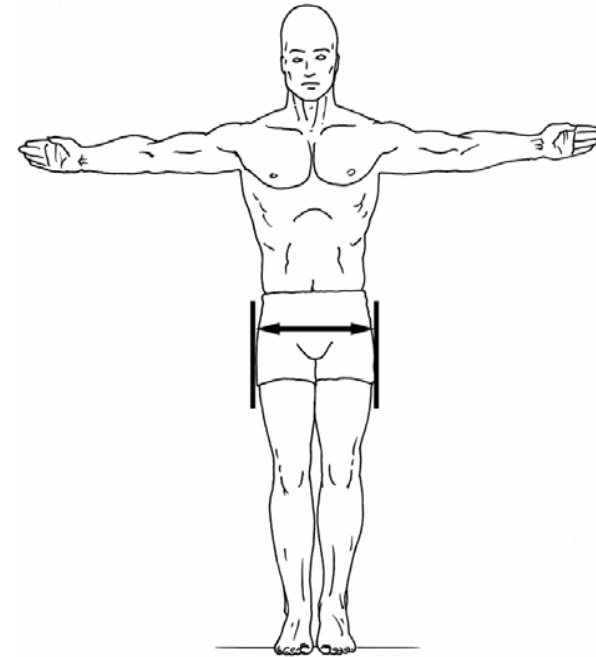
29.58	1 st	11.65
30.05	2 nd	11.83
30.35	3 rd	11.95
30.78	5 th	12.12
31.47	10 th	12.39
31.96	15 th	12.58
32.35	20 th	12.74
32.70	25 th	12.87
33.01	30 th	13.00
33.31	35 th	13.11
33.59	40 th	13.23
33.87	45 th	13.34
34.15	50 th	13.45
34.44	55 th	13.56
34.73	60 th	13.67
35.03	65 th	13.79
35.36	70 th	13.92
35.71	75 th	14.06
36.12	80 th	14.22
36.59	85 th	14.41
37.21	90 th	14.65
38.15	95 th	15.02
38.77	97 th	15.27
39.24	98 th	15.45
40.00	99 th	15.75

MALE
N = 1774

<u>Centimeters</u>		<u>Inches</u>
34.18	Mean	13.46
2.03	Std Dev	.80
41.60	Maximum	16.38
28.20	Minimum	11.10

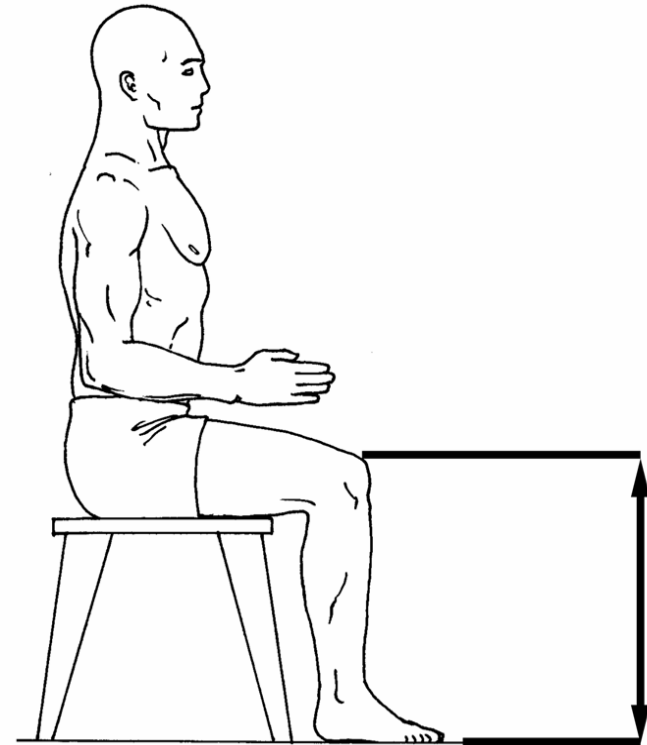
Percentiles

29.64	1 st	11.67
30.18	2 nd	11.88
30.51	3 rd	12.01
30.97	5 th	12.19
31.66	10 th	12.46
32.12	15 th	12.65
32.49	20 th	12.79
32.81	25 th	12.92
33.10	30 th	13.03
33.36	35 th	13.14
33.62	40 th	13.24
33.87	45 th	13.33
34.12	50 th	13.43
34.37	55 th	13.53
34.62	60 th	13.63
34.89	65 th	13.74
35.18	70 th	13.85
35.49	75 th	13.97
35.85	80 th	14.11
36.27	85 th	14.28
36.82	90 th	14.50
37.65	95 th	14.82
38.22	97 th	15.05
38.64	98 th	15.21
39.32	99 th	15.48



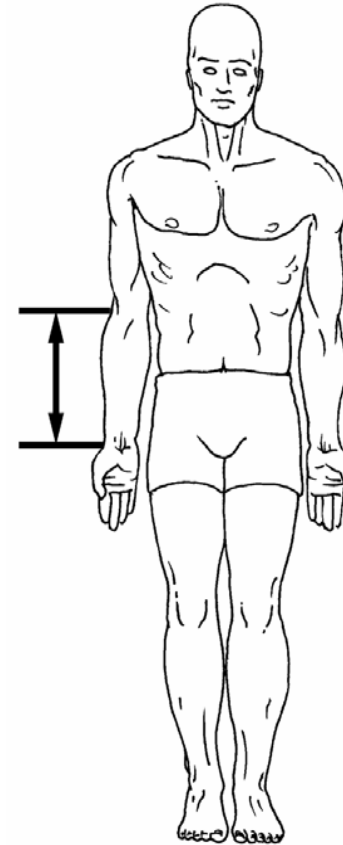
Knee Height, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
51.54	Mean	20.29	55.88	Mean	22.00
2.63	Std Dev	1.04	2.79	Std Dev	1.10
63.30	Maximum	24.92	67.50	Maximum	26.57
40.60	Minimum	15.98	45.40	Minimum	17.87
Percentiles			Percentiles		
45.47	1 st	17.90	49.66	1 st	19.55
46.30	2 nd	18.23	50.38	2 nd	19.84
46.78	3 rd	18.42	50.83	3 rd	20.01
47.40	5 th	18.66	51.44	5 th	20.25
48.30	10 th	19.02	52.36	10 th	20.62
48.89	15 th	19.25	53.00	15 th	20.86
49.35	20 th	19.42	53.50	20 th	21.06
49.76	25 th	19.59	53.95	25 th	21.24
50.12	30 th	19.73	54.35	30 th	21.40
50.46	35 th	19.87	54.73	35 th	21.55
50.79	40 th	20.00	55.09	40 th	21.69
51.11	45 th	20.12	55.44	45 th	21.83
51.43	50 th	20.25	55.80	50 th	21.97
51.76	55 th	20.38	56.16	55 th	22.11
52.10	60 th	20.51	56.52	60 th	22.25
52.46	65 th	20.65	56.90	65 th	22.40
52.84	70 th	20.80	57.31	70 th	22.56
53.26	75 th	20.97	57.75	75 th	22.74
53.73	80 th	21.15	58.24	80 th	22.93
54.28	85 th	21.37	58.82	85 th	23.16
54.99	90 th	21.65	59.54	90 th	23.44
56.02	95 th	22.05	61.57	95 th	23.85
56.66	97 th	22.31	61.22	97 th	24.10
57.12	98 th	22.49	61.67	98 th	24.28
57.78	99 th	22.75	62.34	99 th	24.54



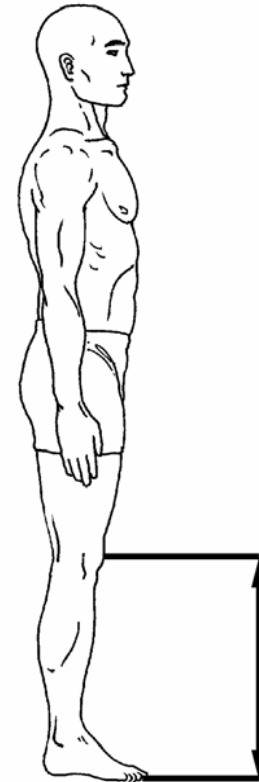
Lower Arm

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
24.34	Mean	9.58	26.99	Mean	10.62
1.55	Std Dev	.61	1.57	Std Dev	.62
31.20	Maximum	12.28	32.50	Maximum	12.80
15.70	Minimum	6.18	21.20	Minimum	8.35
Percentiles			Percentiles		
20.97	1 st	8.26	23.67	1 st	9.32
21.32	2 nd	8.39	24.01	2 nd	9.45
21.55	3 rd	8.49	24.23	3 rd	9.54
21.87	5 th	8.61	24.54	5 th	9.66
22.39	10 th	8.81	25.03	10 th	9.85
22.74	15 th	8.95	25.37	15 th	9.99
23.03	20 th	9.07	25.65	20 th	10.10
23.28	25 th	9.16	25.89	25 th	10.19
23.50	30 th	9.25	26.11	30 th	10.28
23.71	35 th	9.33	26.32	35 th	10.36
23.91	40 th	9.41	26.52	40 th	10.44
24.10	45 th	9.49	26.72	45 th	10.52
24.30	50 th	9.57	26.92	50 th	10.60
24.49	55 th	9.64	27.12	55 th	10.68
24.69	60 th	9.72	27.32	60 th	10.76
24.89	65 th	9.80	27.53	65 th	10.84
25.11	70 th	9.89	27.76	70 th	10.93
25.35	75 th	9.98	28.01	75 th	11.03
25.62	80 th	10.09	28.29	80 th	11.14
25.93	85 th	10.21	28.62	85 th	11.27
26.33	90 th	10.37	29.05	90 th	11.44
26.94	95 th	10.61	29.69	95 th	11.69
27.35	97 th	10.77	30.11	97 th	11.85
27.65	98 th	10.89	30.42	98 th	11.98
28.14	99 th	11.08	30.92	99 th	12.17



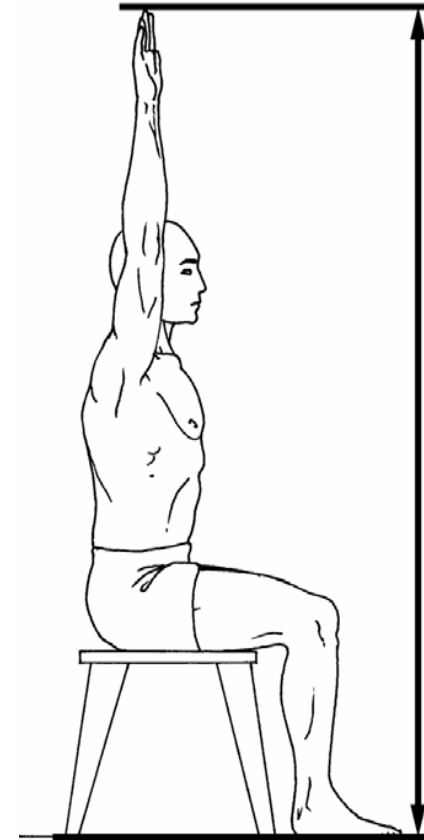
Lower Leg

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
45.87	Mean	18.06	50.48	Mean	19.88
2.61	Std Dev	1.03	2.76	Std Dev	1.09
58.40	Maximum	22.99	62.00	Maximum	24.41
35.80	Minimum	14.09	40.60	Minimum	15.98
Percentiles			Percentiles		
39.94	1 st	15.73	44.30	1 st	17.44
40.64	2 nd	16.00	45.05	2 nd	17.74
41.07	3 rd	16.17	45.50	3 rd	17.91
41.67	5 th	16.40	46.10	5 th	18.15
42.58	10 th	16.76	47.01	10 th	18.51
43.19	15 th	17.00	47.63	15 th	18.75
43.68	20 th	17.20	48.13	20 th	18.95
44.10	25 th	17.36	48.56	25 th	19.12
44.48	30 th	17.51	48.96	30 th	19.27
44.83	35 th	17.65	49.33	35 th	19.42
45.16	40 th	17.78	49.69	40 th	19.56
45.48	45 th	17.91	50.04	45 th	19.70
45.81	50 th	18.03	50.39	50 th	19.84
46.13	55 th	18.16	50.75	55 th	19.98
46.46	60 th	18.29	51.11	60 th	20.12
46.81	65 th	18.43	51.49	65 th	20.27
47.17	70 th	18.57	51.90	70 th	20.43
47.57	75 th	18.73	52.34	75 th	20.61
48.02	80 th	18.91	52.84	80 th	20.80
48.55	85 th	19.11	53.41	85 th	21.03
49.23	90 th	19.38	54.13	90 th	21.31
50.25	95 th	19.78	55.16	95 th	21.72
50.94	97 th	20.05	55.78	97 th	21.96
51.45	98 th	20.26	56.21	98 th	22.13
52.27	99 th	20.58	56.81	99 th	22.37



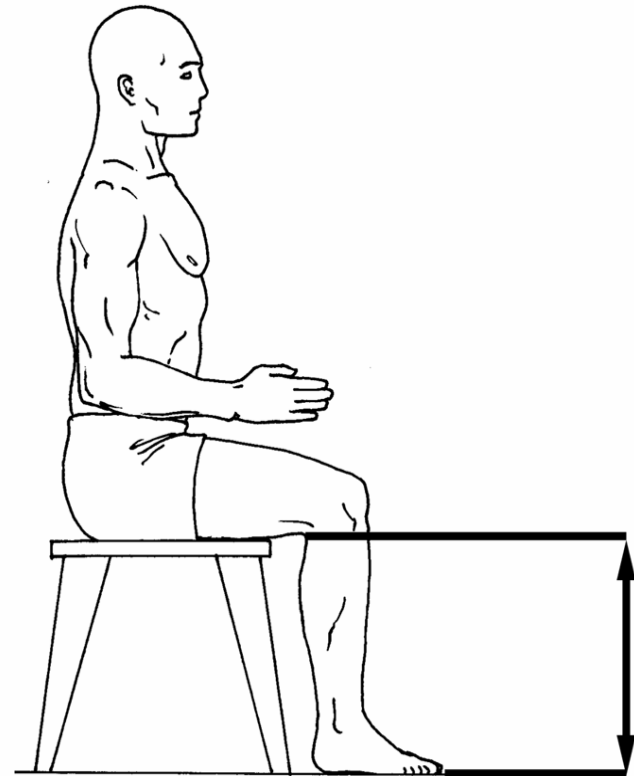
Overhead Fingertip Reach, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
132.65	Mean	52.22	143.38	Mean	56.45
5.59	Std Dev	2.20	5.90	Std Dev	2.32
151.40	Maximum	59.61	169.30	Maximum	66.65
112.90	Minimum	44.45	116.40	Minimum	45.83
Percentiles			Percentiles		
119.72	1 st	47.13	129.31	1 st	50.91
121.12	2 nd	47.69	131.19	2 nd	51.65
122.05	3 rd	48.05	132.32	3 rd	52.09
123.33	5 th	48.55	133.78	5 th	52.67
125.35	10 th	49.35	135.93	10 th	53.52
126.75	15 th	49.90	137.35	15 th	54.07
127.85	20 th	50.34	138.46	20 th	54.51
128.81	25 th	50.71	139.42	25 th	54.89
129.68	30 th	51.05	140.28	30 th	55.23
130.47	35 th	51.37	141.07	35 th	55.54
131.22	40 th	51.66	141.84	40 th	55.84
131.95	45 th	51.95	142.58	45 th	56.13
132.67	50 th	52.23	143.32	50 th	56.42
133.39	55 th	52.51	144.06	55 th	56.72
134.11	60 th	52.80	144.82	60 th	57.02
134.85	65 th	53.09	145.61	65 th	57.33
135.63	70 th	53.40	146.45	70 th	57.66
136.47	75 th	53.73	147.36	75 th	58.01
137.40	80 th	54.09	148.38	80 th	58.42
138.47	85 th	54.52	149.56	85 th	58.88
139.81	90 th	55.04	151.04	90 th	59.46
141.77	95 th	55.81	153.17	95 th	60.30
143.03	97 th	56.31	154.48	97 th	60.82
143.94	98 th	56.67	155.39	98 th	61.18
145.38	99 th	57.24	156.72	99 th	61.70



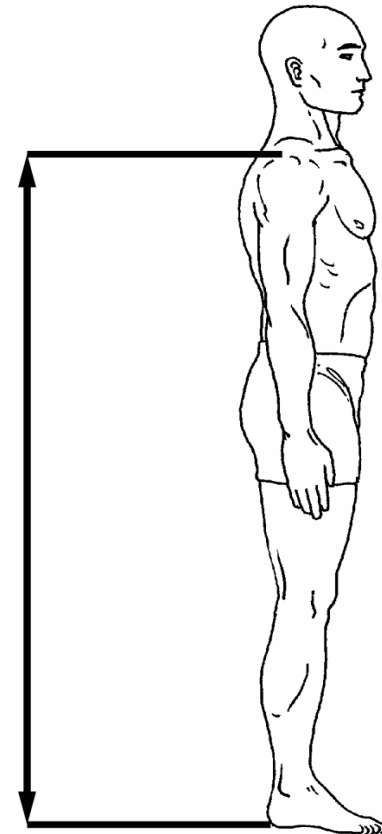
Popliteal Height

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
38.94	Mean	15.33	43.41	Mean	17.09
2.37	Std Dev	.93	2.49	Std Dev	.98
50.00	Maximum	19.69	54.70	Maximum	21.54
29.90	Minimum	11.77	33.80	Minimum	13.31
Percentiles			Percentiles		
33.67	1 st	13.25	37.83	1 st	14.89
34.24	2 nd	13.48	38.49	2 nd	15.15
34.61	3 rd	13.63	38.90	3 rd	15.32
35.13	5 th	13.83	39.46	5 th	15.53
35.93	10 th	14.14	40.30	10 th	15.86
36.48	15 th	14.36	40.86	15 th	16.09
36.92	20 th	14.53	41.31	20 th	16.26
37.30	25 th	14.39	41.70	25 th	16.42
37.65	30 th	14.82	42.06	30 th	16.56
37.98	35 th	14.95	42.39	35 th	16.69
38.29	40 th	15.07	42.70	40 th	16.81
38.59	45 th	15.19	43.01	45 th	16.93
38.89	50 th	15.31	43.32	50 th	17.06
39.19	55 th	15.43	43.63	55 th	17.18
39.50	60 th	15.55	43.95	60 th	17.30
39.82	65 th	15.68	44.28	65 th	17.43
40.16	70 th	15.81	44.64	70 th	17.57
40.53	75 th	15.96	45.03	75 th	17.73
40.94	80 th	16.12	45.47	80 th	17.90
41.42	85 th	16.31	45.98	85 th	18.10
42.04	90 th	16.55	46.64	90 th	18.36
42.94	95 th	16.91	47.63	95 th	18.75
43.53	97 th	17.14	48.28	97 th	19.01
43.96	98 th	17.31	48.75	98 th	19.19
44.63	99 th	17.57	49.49	99 th	19.48



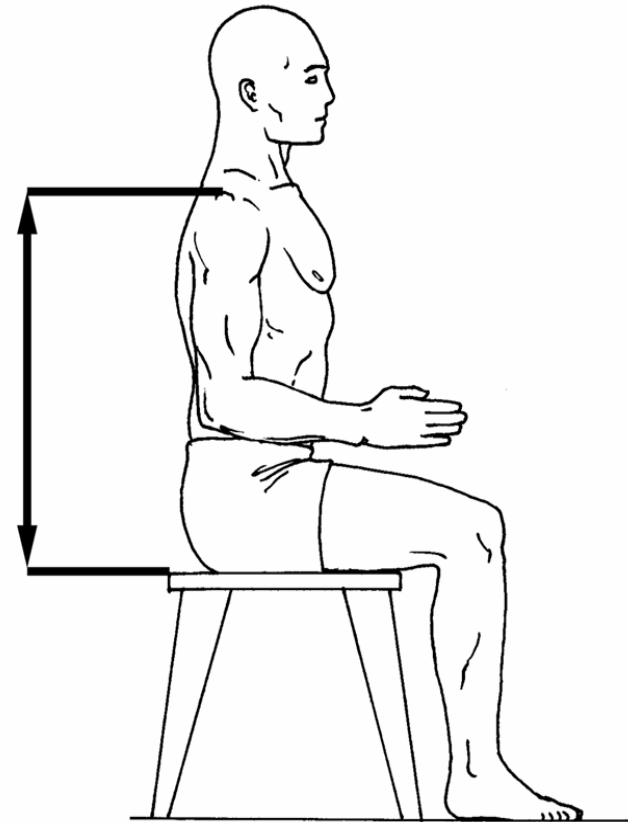
Shoulder Height

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
133.36	Mean	52.50	144.25	Mean	56.79
5.79	Std Dev	2.28	6.20	Std Dev	2.44
156.5	Maximum	61.61	170.4	Maximum	67.09
113.9	Minimum	44.84	118.2	Minimum	46.54
Percentiles			Percentiles		
119.82	1 st	47.17	129.86	1 st	51.13
121.63	2 nd	47.89	131.62	2 nd	51.82
122.70	3 rd	48.31	132.71	3 rd	52.25
124.09	5 th	48.85	134.16	5 th	52.82
126.12	10 th	49.65	136.35	10 th	53.68
127.45	15 th	50.18	137.83	15 th	54.26
128.49	20 th	50.59	139.00	20 th	54.72
129.40	25 th	50.95	140.02	25 th	55.13
130.22	30 th	51.27	140.93	30 th	55.49
130.99	35 th	51.57	141.78	35 th	55.82
131.72	40 th	51.86	142.60	40 th	56.14
132.44	45 th	52.14	143.39	45 th	56.45
133.16	50 th	52.43	144.18	50 th	56.76
133.90	55 th	52.72	144.97	55 th	57.07
134.65	60 th	53.01	145.77	60 th	57.39
135.43	65 th	53.32	146.61	65 th	57.72
136.27	70 th	53.65	147.50	70 th	58.07
137.19	75 th	54.01	148.46	75 th	58.45
138.23	80 th	54.42	149.53	80 th	58.87
139.44	85 th	54.90	150.77	85 th	59.36
140.97	90 th	55.50	152.32	90 th	59.97
143.20	95 th	56.38	154.56	95 th	60.85
144.59	97 th	56.93	155.95	97 th	61.40
145.57	98 th	57.31	156.93	98 th	61.79
146.99	99 th	57.87	158.38	99 th	62.35



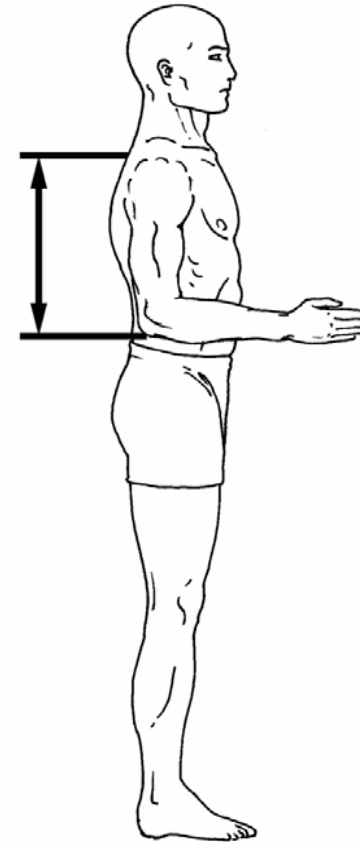
Shoulder Height, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
55.55	Mean	21.87	59.78	Mean	23.53
2.86	Std Dev	1.13	2.96	Std Dev	1.16
66.40	Maximum	26.14	69.50	Maximum	27.36
46.40	Minimum	18.27	50.10	Minimum	19.72
Percentiles			Percentiles		
49.24	1 st	19.38	52.52	1 st	20.68
49.88	2 nd	19.64	53.49	2 nd	21.06
50.31	3 rd	19.81	54.08	3 rd	21.29
50.91	5 th	20.04	54.85	5 th	21.59
51.87	10 th	20.42	55.98	10 th	22.04
52.54	15 th	20.69	56.73	15 th	22.33
53.09	20 th	20.90	57.31	20 th	22.56
53.56	25 th	21.09	57.81	25 th	22.76
53.99	30 th	21.26	58.25	30 th	22.93
54.39	35 th	21.41	58.66	35 th	23.10
54.77	40 th	21.56	59.05	40 th	23.25
55.14	45 th	21.71	59.43	45 th	23.40
55.51	50 th	21.85	59.80	50 th	23.54
55.88	55 th	22.00	60.17	55 th	23.69
56.25	60 th	22.15	60.55	60 th	23.84
56.64	65 th	22.30	60.94	65 th	23.99
57.05	70 th	22.46	61.35	70 th	24.15
57.50	75 th	22.64	61.79	75 th	24.33
57.99	80 th	22.83	62.29	80 th	24.52
58.57	85 th	23.06	62.86	85 th	24.75
59.29	90 th	23.34	63.58	90 th	25.03
60.36	95 th	23.76	64.63	95 th	25.44
61.05	97 th	24.03	65.28	97 th	25.70
61.55	98 th	24.23	65.75	98 th	25.89
62.33	99 th	24.54	66.45	99 th	26.16



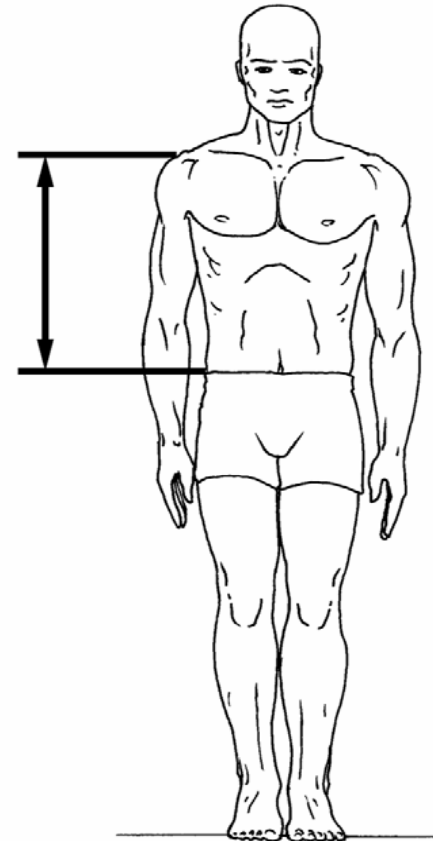
Shoulder-Elbow Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
33.58	Mean	13.22	36.90	Mean	14.53
1.74	Std Dev	.68	1.79	Std Dev	.71
40.10	Maximum	15.79	44.60	Maximum	17.56
28.20	Minimum	11.10	29.70	Minimum	11.69
Percentiles			Percentiles		
29.62	1 st	11.66	32.88	1 st	12.94
30.08	2 nd	11.84	33.33	2 nd	13.12
30.37	3 rd	11.96	33.62	3 rd	13.24
30.76	5 th	12.11	34.02	5 th	13.39
31.36	10 th	12.35	34.64	10 th	13.64
31.77	15 th	12.51	35.06	15 th	13.80
32.09	20 th	12.64	35.40	20 th	13.94
32.38	25 th	12.75	35.69	25 th	14.05
32.63	30 th	12.85	35.95	30 th	14.15
32.87	35 th	12.94	36.20	35 th	14.25
33.10	40 th	13.03	36.43	40 th	14.34
33.32	45 th	13.12	36.66	45 th	14.43
33.54	50 th	13.20	36.88	50 th	14.52
33.76	55 th	13.29	37.11	55 th	14.61
33.98	60 th	13.38	37.34	60 th	14.70
34.22	65 th	13.47	37.58	65 th	14.79
34.47	70 th	13.57	37.83	70 th	14.89
34.74	75 th	13.68	38.10	75 th	15.00
35.05	80 th	13.80	38.41	80 th	15.12
35.40	85 th	13.94	38.76	85 th	15.26
35.85	90 th	14.11	39.21	90 th	15.44
36.51	95 th	14.37	39.88	95 th	15.70
36.92	97 th	14.54	40.31	97 th	15.87
37.23	98 th	14.66	40.63	98 th	16.00
37.69	99 th	14.84	41.13	99 th	16.19



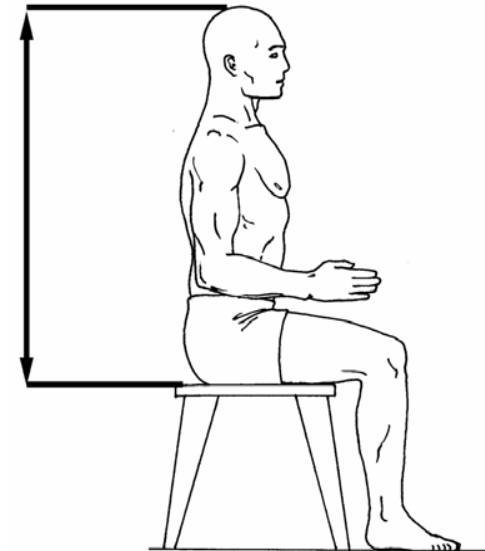
Shoulder-Waist Length (Omphalion)

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
35.15	Mean	13.84	38.37	Mean	15.11
2.28	Std Dev	.90	2.56	Std Dev	1.01
44.20	Maximum	17.40	48.30	Maximum	19.02
27.80	Minimum	10.94	30.50	Minimum	12.01
Percentiles			Percentiles		
30.15	1 st	11.87	32.65	1 st	12.85
30.69	2 nd	12.08	33.29	2 nd	13.11
31.04	3 rd	12.22	33.70	3 rd	13.27
31.53	5 th	12.41	34.27	5 th	13.49
32.28	10 th	12.71	35.15	10 th	13.84
32.80	15 th	12.97	35.74	15 th	14.07
33.21	20 th	13.07	36.22	20 th	14.26
33.57	25 th	13.22	36.63	25 th	14.42
33.90	30 th	13.35	37.00	30 th	14.57
34.21	35 th	13.47	37.34	35 th	14.70
34.50	40 th	13.58	37.64	40 th	14.83
34.79	45 th	13.70	37.99	45 th	14.95
35.07	50 th	13.81	38.30	50 th	15.08
35.36	55 th	13.92	38.62	55 th	15.20
35.65	60 th	14.04	38.94	60 th	15.33
35.96	65 th	14.16	39.28	65 th	15.46
36.29	70 th	14.29	39.63	70 th	15.60
36.65	75 th	14.43	40.02	75 th	15.76
37.05	80 th	14.59	40.47	80 th	15.93
37.52	85 th	14.77	40.99	85 th	16.14
38.13	90 th	15.01	41.67	90 th	16.40
39.06	95 th	15.38	42.72	95 th	16.82
39.67	97 th	15.62	43.43	97 th	17.10
40.12	98 th	15.80	43.98	98 th	17.31
40.85	99 th	16.08	44.88	99 th	17.67



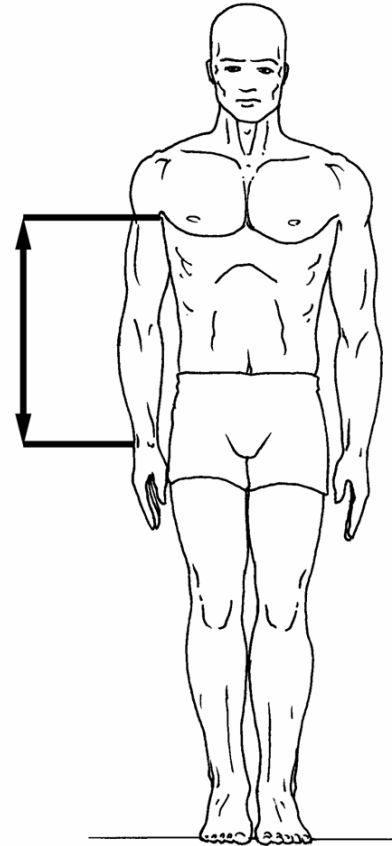
Sitting Height

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
85.20	Mean	33.54	91.39	Mean	35.98
3.49	Std Dev	1.37	3.56	Std Dev	1.40
97.10	Maximum	38.23	103.20	Maximum	40.63
74.80	Minimum	29.45	80.80	Minimum	31.81
Percentiles			Percentiles		
77.48	1 st	30.50	82.79	1 st	32.59
78.27	2 nd	30.81	83.88	2 nd	33.02
78.79	3 rd	31.02	84.55	3 rd	33.29
79.53	5 th	31.31	85.45	5 th	33.67
80.70	10 th	31.77	86.79	10 th	34.17
81.52	15 th	32.09	87.68	15 th	34.52
82.18	20 th	32.35	88.38	20 th	34.80
82.76	25 th	32.58	88.99	25 th	35.03
83.28	30 th	32.79	89.53	30 th	35.25
83.77	35 th	32.98	90.03	35 th	35.44
84.23	40 th	33.16	90.51	40 th	35.63
84.69	45 th	33.34	90.97	45 th	35.81
85.14	50 th	33.52	91.42	50 th	35.99
85.59	55 th	33.70	91.88	55 th	36.17
86.05	60 th	33.88	92.34	60 th	36.35
86.52	65 th	34.06	92.82	65 th	36.54
87.02	70 th	34.26	93.32	70 th	36.67
87.57	75 th	34.48	93.86	75 th	36.95
88.17	80 th	34.71	94.46	80 th	37.19
88.87	85 th	34.99	95.14	85 th	37.46
89.75	90 th	35.33	95.99	90 th	37.79
91.02	95 th	35.84	97.19	95 th	38.26
91.83	97 th	36.15	97.91	97 th	38.55
92.42	98 th	36.38	98.42	98 th	38.75
93.31	99 th	36.74	99.14	99 th	39.03



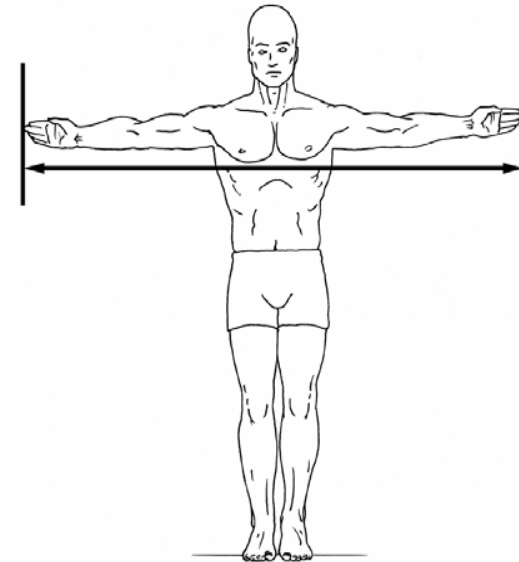
Sleeve Inseam

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
44.33	Mean	17.45	47.43	Mean	18.67
2.95	Std Dev	1.16	2.97	Std Dev	1.17
55.30	Maximum	27.77	59.00	Maximum	23.23
32.60	Minimum	12.83	36.90	Minimum	14.53
Percentiles			Percentiles		
37.79	1 st	14.88	40.94	1 st	16.12
38.47	2 nd	15.15	41.58	2 nd	16.37
38.92	3 rd	15.32	42.02	3 rd	16.54
39.54	5 th	15.57	42.64	5 th	16.79
40.54	10 th	15.96	43.63	10 th	17.18
41.24	15 th	16.24	44.32	15 th	17.45
41.80	20 th	16.46	44.88	20 th	17.67
42.29	25 th	16.65	45.38	25 th	17.86
42.73	30 th	16.82	45.82	30 th	18.04
43.14	35 th	16.98	46.23	35 th	18.20
43.53	40 th	17.14	46.62	40 th	18.36
43.91	45 th	17.29	47.00	45 th	18.51
44.28	50 th	17.43	47.38	50 th	18.65
44.66	55 th	17.58	47.76	55 th	18.80
45.04	60 th	17.73	48.15	60 th	18.96
45.44	65 th	17.89	48.55	65 th	19.11
45.86	70 th	18.05	48.97	70 th	19.28
46.31	75 th	18.23	49.42	75 th	19.46
46.82	80 th	18.43	49.94	80 th	19.66
47.41	85 th	18.66	50.53	85 th	19.89
48.15	90 th	18.96	51.28	90 th	20.19
49.25	95 th	19.39	52.40	95 th	20.63
49.97	97 th	19.67	53.13	97 th	20.92
50.50	98 th	19.88	53.67	98 th	21.13
51.34	99 th	20.21	54.33	99 th	21.47



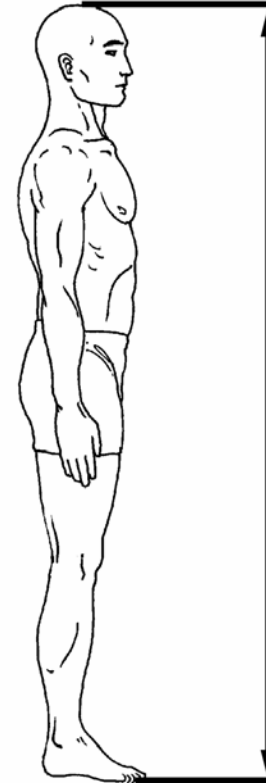
Span

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
167.19	Mean	65.82	182.31	Mean	71.77
8.13	Std Dev	3.20	8.19	Std Dev	3.23
196.80	Maximum	77.48	215.90	Maximum	85.00
135.60	Minimum	53.39	147.40	Minimum	58.03
Percentiles			Percentiles		
148.81	1 st	58.89	164.79	1 st	64.88
151.02	2 nd	59.46	166.53	2 nd	65.56
152.38	3 rd	59.99	167.68	3 rd	66.02
154.21	5 th	60.71	169.31	5 th	66.66
157.00	10 th	61.81	171.94	10 th	67.69
158.88	15 th	62.55	173.78	15 th	68.42
160.37	20 th	63.14	175.28	20 th	69.01
161.67	25 th	63.65	176.60	25 th	69.53
162.85	30 th	64.11	177.80	30 th	70.00
163.94	35 th	64.54	178.92	35 th	70.44
164.98	40 th	64.95	179.99	40 th	70.86
166.00	45 th	65.36	181.04	45 th	71.28
167.02	50 th	65.76	182.09	50 th	71.69
168.04	55 th	66.16	183.14	55 th	72.10
169.09	60 th	66.57	184.21	60 th	72.52
170.18	65 th	67.00	185.32	65 th	72.96
171.33	70 th	67.45	186.50	70 th	73.42
172.60	75 th	67.95	187.77	75 th	73.93
174.02	80 th	68.51	189.21	80 th	74.49
175.67	85 th	69.16	190.86	85 th	75.14
177.76	90 th	69.99	192.96	90 th	75.97
180.86	95 th	71.20	196.03	95 th	77.18
182.84	97 th	71.98	197.99	97 th	77.95
184.27	98 th	72.55	199.42	98 th	78.51
186.45	99 th	73.41	201.62	99 th	79.38



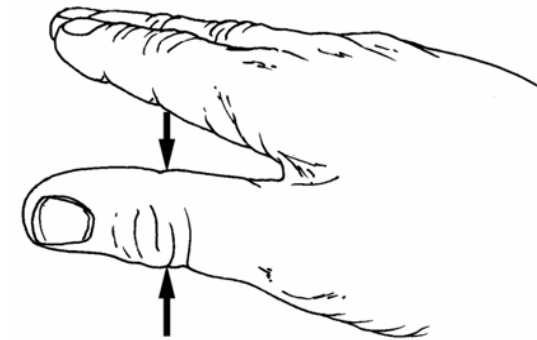
Stature

FEMALE			MALE		
N = 2208			N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
162.94	Mean	64.15	175.58	Mean	69.13
6.36	Std Dev	2.50	6.68	Std Dev	2.63
187.00	Maximum	73.62	204.20	Maximum	80.39
142.80	Minimum	56.22	149.70	Minimum	58.94
Percentiles			Percentiles		
148.32	1 st	58.39	160.27	1 st	63.10
150.18	2 nd	59.13	162.05	2 nd	63.80
151.31	3 rd	59.57	163.17	3 rd	64.24
152.78	5 th	60.15	164.69	5 th	64.84
154.97	10 th	61.01	167.03	10 th	65.76
156.43	15 th	61.59	168.62	15 th	66.39
157.58	20 th	62.04	169.86	20 th	66.88
158.58	25 th	62.43	173.99	25 th	67.32
159.48	30 th	62.79	171.98	30 th	67.71
160.32	35 th	63.12	172.90	35 th	68.70
161.14	40 th	63.44	173.78	40 th	68.42
161.93	45 th	63.75	174.64	45 th	68.76
162.72	50 th	64.06	175.49	50 th	69.09
163.53	55 th	64.38	176.34	55 th	69.43
164.35	60 th	64.70	177.21	60 th	69.77
165.21	65 th	65.04	178.11	65 th	70.12
166.13	70 th	65.40	179.06	70 th	70.50
167.13	75 th	65.80	180.09	75 th	70.90
168.27	80 th	66.25	181.24	80 th	71.35
169.59	85 th	66.77	182.57	85 th	71.88
171.27	90 th	67.43	184.23	90 th	72.53
173.73	95 th	68.40	186.65	95 th	73.48
175.28	97 th	69.01	188.16	97 th	74.08
176.39	98 th	69.44	189.24	98 th	74.50
178.04	99 th	70.09	190.87	99 th	75.14



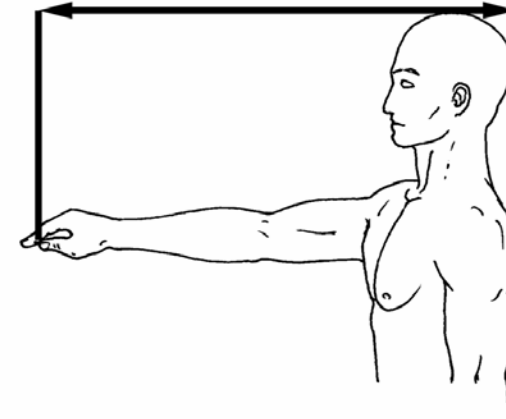
Thumb Breadth

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
20.7	Mean	.81	2.41	Mean	0.95
.13	Std Dev	.05	0.14	Std Dev	0.05
2.50	Maximum	.98	2.90	Maximum	1.14
1.70	Minimum	.67	1.90	Minimum	0.75
Percentiles			Percentiles		
1.78	1 st	.70	2.09	1 st	.82
1.81	2 nd	.71	2.13	2 nd	.84
1.84	3 rd	.71	2.16	3 rd	.85
1.86	5 th	.73	2.19	5 th	.86
1.91	10 th	.75	2.24	10 th	.88
1.93	15 th	.76	2.27	15 th	.90
1.96	20 th	.77	2.30	20 th	.91
1.97	25 th	.78	2.32	25 th	.91
1.99	30 th	.78	2.34	30 th	.92
2.01	35 th	.79	2.36	35 th	.93
2.03	40 th	.80	2.38	40 th	.94
2.04	45 th	.80	2.39	45 th	.94
2.06	50 th	.81	2.41	50 th	.95
2.08	55 th	.82	2.43	55 th	.96
2.09	60 th	.82	2.45	60 th	.96
2.11	65 th	.83	2.46	65 th	.97
2.13	70 th	.84	2.48	70 th	.98
2.15	75 th	.85	2.51	75 th	.99
2.18	80 th	.86	2.53	80 th	1.00
2.20	85 th	.87	2.56	85 th	1.01
2.24	90 th	.88	2.60	90 th	1.02
2.29	95 th	.90	2.65	95 th	1.04
2.31	97 th	.91	2.68	97 th	1.06
2.33	98 th	.92	2.71	98 th	1.07
2.35	99 th	.93	2.74	99 th	1.08



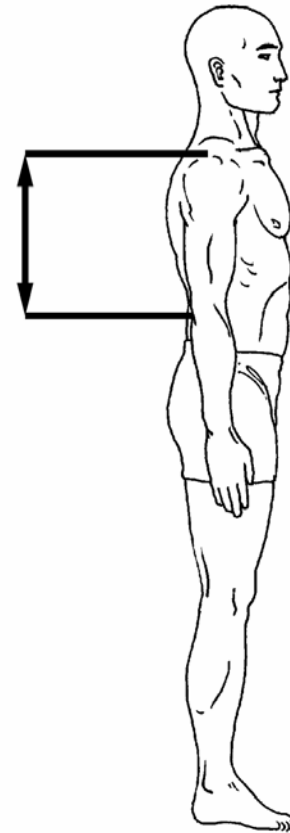
Thumbtip Reach, Extended

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
76.69	Mean	31.38	87.28	Mean	34.36
3.85	Std Dev	1.52	4.16	Std Dev	1.64
97.70	Maximum	38.46	104.60	Maximum	41.18
66.70	Minimum	26.26	73.40	Minimum	28.90
Percentiles			Percentiles		
71.15	1 st	28.01	77.92	1 st	30.68
72.05	2 nd	28.36	78.89	2 nd	31.06
72.63	3 rd	28.60	79.55	3 rd	31.32
73.45	5 th	28.92	80.48	5 th	31.68
74.76	10 th	29.43	81.96	10 th	32.27
75.66	15 th	29.79	82.97	15 th	32.67
76.38	20 th	30.07	83.78	20 th	32.98
77.02	25 th	30.32	84.48	25 th	33.26
77.59	30 th	30.55	85.10	30 th	33.50
78.12	35 th	30.76	85.67	35 th	33.73
78.63	40 th	30.96	86.22	40 th	33.94
79.12	45 th	31.15	86.74	45 th	34.15
79.61	50 th	31.34	87.25	50 th	34.35
80.10	55 th	31.54	87.76	55 th	34.55
80.60	60 th	31.73	88.28	60 th	34.76
81.12	65 th	31.94	88.81	65 th	34.97
81.66	70 th	32.15	89.38	70 th	35.19
82.26	75 th	32.39	89.99	75 th	35.43
82.93	80 th	32.65	90.68	80 th	35.70
83.70	85 th	32.95	91.49	85 th	36.02
84.69	90 th	33.34	92.54	90 th	36.43
86.17	95 th	33.92	94.18	95 th	37.08
87.14	97 th	34.31	95.33	97 th	37.53
87.86	98 th	34.59	96.22	98 th	37.88
89.00	99 th	35.04	97.74	99 th	38.48



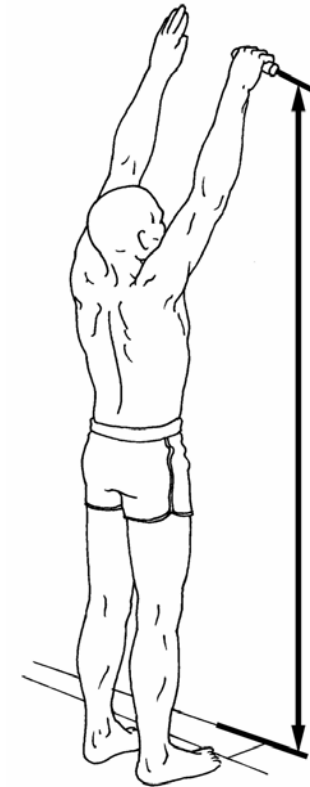
Upper Arm Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
31.19	Mean	12.28	34.08	Mean	13.42
1.67	Std Dev	.66	1.72	Std Dev	.68
37.00	Maximum	14.57	41.50	Maximum	16.34
26.20	Minimum	10.31	27.10	Minimum	10.67
Percentiles			Percentiles		
27.37	1 st	10.77	30.23	1 st	11.90
27.83	2 nd	10.95	30.66	2 nd	12.07
28.11	3 rd	11.07	30.94	3 rd	12.18
28.49	5 th	11.22	31.32	5 th	12.33
29.07	10 th	11.44	31.91	10 th	12.56
29.46	15 th	11.60	32.31	15 th	12.72
29.77	20 th	11.72	32.63	20 th	12.85
30.04	25 th	11.83	32.91	25 th	12.96
30.28	30 th	11.92	33.16	30 th	13.06
30.50	35 th	12.01	33.40	35 th	13.15
30.72	40 th	12.09	33.62	40 th	13.24
30.93	45 th	12.18	33.83	45 th	13.32
31.14	50 th	12.26	34.05	50 th	13.41
31.35	55 th	12.34	34.27	55 th	13.49
31.57	60 th	12.43	34.49	60 th	13.58
31.79	65 th	12.52	34.72	65 th	13.67
32.03	70 th	12.61	34.96	70 th	13.76
32.29	75 th	12.71	35.22	75 th	13.87
32.59	80 th	12.83	35.52	80 th	13.98
32.93	85 th	12.96	35.86	85 th	14.12
33.37	90 th	13.14	36.30	90 th	14.29
34.02	95 th	13.39	36.95	95 th	14.55
34.44	97 th	13.56	37.38	97 th	14.72
34.74	98 th	13.68	37.69	98 th	14.84
35.21	99 th	13.86	38.18	99 th	15.03



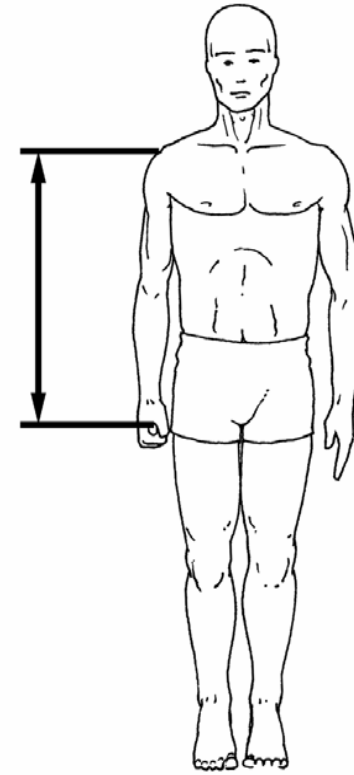
Vertical Grip Reach

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
194.73	Mean	76.67	210.74	Mean	82.97
8.71	Std Dev	3.43	9.24	Std Dev	3.64
226.00	Maximum	88.98	253.40	Maximum	99.76
162.20	Minimum	63.86	169.90	Minimum	66.89
Percentiles			Percentiles		
174.63	1 st	68.75	189.28	1 st	74.52
177.23	2 nd	69.78	192.01	2 nd	75.60
178.79	3 rd	70.39	193.66	3 rd	76.25
180.83	5 th	71.19	195.84	5 th	77.10
183.85	10 th	72.38	199.08	10 th	78.38
185.85	15 th	73.17	201.25	15 th	79.23
187.43	20 th	73.79	202.96	20 th	79.91
188.81	25 th	74.33	204.46	25 th	80.49
190.05	30 th	74.82	205.80	30 th	81.02
191.21	35 th	75.28	207.05	35 th	81.52
192.32	40 th	75.72	208.25	40 th	81.99
193.41	45 th	76.15	209.59	45 th	82.45
194.50	50 th	76.57	210.59	50 th	82.91
195.60	55 th	77.01	211.77	55 th	83.38
196.73	60 th	77.45	212.97	60 th	83.85
197.90	65 th	77.91	214.23	65 th	84.34
199.16	70 th	78.41	215.55	70 th	84.86
200.53	75 th	78.95	216.99	75 th	85.43
202.07	80 th	79.56	218.60	80 th	86.06
203.87	85 th	80.26	220.45	85 th	86.79
206.14	90 th	81.16	222.76	90 th	87.70
209.44	95 th	82.46	226.04	95 th	88.99
211.51	97 th	83.27	228.03	97 th	89.77
212.96	98 th	83.84	229.39	98 th	90.31
215.10	99 th	84.64	231.31	99 th	91.07



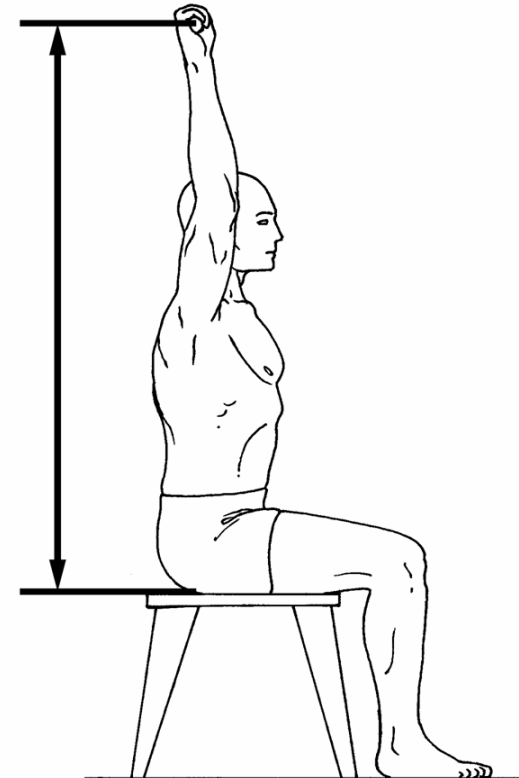
Vertical Grip Reach Down

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
60.95	Mean	24.00	66.57	Mean	26.21
3.27	Std Dev	1.29	3.33	Std Dev	1.31
73.50	Maximum	28.94	81.40	Maximum	32.05
49.20	Minimum	19.37	54.10	Minimum	21.30
Percentiles			Percentiles		
35.55	1 st	21.08	59.08	1 st	23.26
54.42	2 nd	21.43	59.95	2 nd	23.60
54.97	3 rd	21.64	60.50	3 rd	23.82
55.71	5 th	21.93	62.23	5 th	24.11
56.84	10 th	22.38	62.36	10 th	24.55
57.61	15 th	22.68	63.13	15 th	24.85
58.21	20 th	22.92	63.74	20 th	25.09
58.74	25 th	23.13	64.28	25 th	25.31
59.21	30 th	23.31	64.76	30 th	25.50
59.65	35 th	23.48	65.21	35 th	25.67
60.07	40 th	23.65	65.65	40 th	25.84
60.48	45 th	23.81	66.07	45 th	26.01
60.88	50 th	23.97	66.49	50 th	26.18
61.29	55 th	24.13	66.92	55 th	26.35
61.70	60 th	24.29	67.35	60 th	26.52
62.14	65 th	24.46	67.81	65 th	26.70
62.60	70 th	24.64	68.29	70 th	26.89
63.10	75 th	24.84	68.81	75 th	27.09
63.66	80 th	25.06	69.40	80 th	27.32
64.32	85 th	25.32	70.09	85 th	27.59
65.16	90 th	25.65	70.96	90 th	27.94
66.42	95 th	26.15	72.23	95 th	28.44
67.25	97 th	26.48	73.04	97 th	28.75
67.86	98 th	26.72	73.61	98 th	28.98
68.82	99 th	27.09	74.49	99 th	29.33



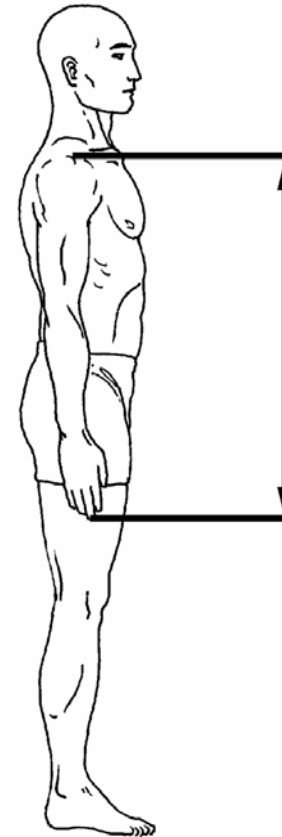
Vertical Grip Reach, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
121.23	Mean	47.73	130.98	Mean	51.57
5.13	Std Dev	2.02	5.45	Std Dev	2.15
138.60	Maximum	54.57	155.10	Maximum	61.06
103.00	Minimum	40.55	106.40	Minimum	41.89
Percentiles			Percentiles		
109.24	1 st	43.01	117.75	1 st	46.36
110.60	2 nd	43.54	119.64	2 nd	47.10
111.48	3 rd	43.89	120.74	3 rd	47.53
112.69	5 th	44.36	122.14	5 th	48.09
114.57	10 th	45.11	124.15	10 th	48.88
115.86	15 th	45.61	125.45	15 th	49.39
116.87	20 th	46.01	126.46	20 th	49.79
117.76	25 th	46.36	127.34	25 th	50.13
118.54	30 th	46.67	128.12	30 th	50.44
119.27	35 th	46.96	128.84	35 th	50.73
119.96	40 th	47.23	129.54	40 th	51.00
120.62	45 th	47.49	130.22	45 th	51.27
121.28	50 th	47.75	130.90	50 th	51.54
121.93	55 th	48.01	131.59	55 th	51.81
122.59	60 th	48.27	132.29	60 th	52.08
123.27	65 th	48.53	133.02	65 th	52.37
123.99	70 th	48.81	133.80	70 th	52.68
124.75	75 th	49.12	134.64	75 th	53.01
125.61	80 th	49.45	135.60	80 th	53.38
126.59	85 th	49.84	136.70	85 th	53.82
127.82	90 th	50.32	138.08	90 th	54.36
129.61	95 th	51.03	140.05	95 th	55.14
130.76	97 th	51.48	141.25	97 th	55.61
131.60	98 th	51.81	142.06	98 th	55.93
132.90	99 th	52.32	143.20	99 th	56.38



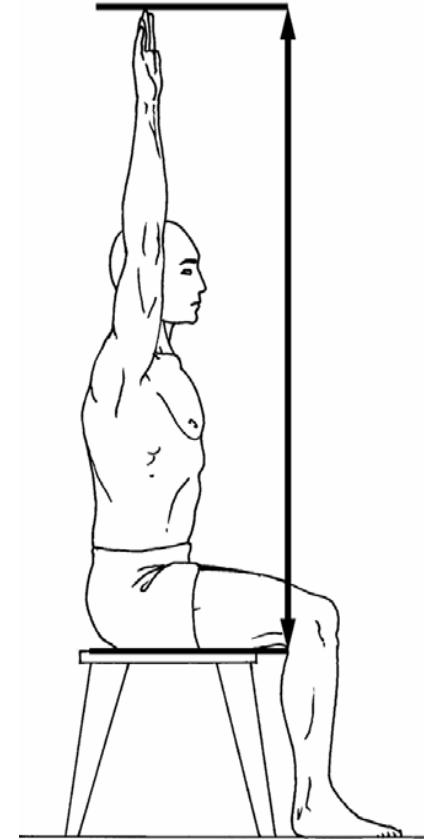
Vertical Index Fingertip Reach Down

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
71.24	Mean	28.05	77.68	Mean	30.58
3.76	Std Dev	1.48	3.80	Std Dev	1.49
95.80	Maximum	33.78	94.10	Maximum	37.05
57.60	Minimum	22.68	63.10	Minimum	24.84
Percentiles			Percentiles		
62.72	1 st	24.69	69.25	1 st	27.26
63.70	2 nd	25.08	70.25	2 nd	27.66
64.32	3 rd	25.32	70.86	3 rd	27.90
65.16	5 th	25.65	71.68	5 th	28.22
66.47	10 th	26.17	72.92	10 th	28.71
67.36	15 th	26.52	73.77	15 th	29.04
68.26	20 th	26.80	74.45	20 th	29.31
68.68	25 th	27.04	75.04	25 th	29.55
69.23	30 th	27.26	75.59	30 th	29.76
69.75	35 th	27.46	76.10	35 th	29.96
70.24	40 th	27.65	76.59	40 th	30.15
70.71	45 th	27.84	77.07	45 th	30.34
71.18	50 th	28.03	77.56	50 th	30.53
71.66	55 th	28.21	78.05	55 th	30.73
72.14	60 th	28.40	78.55	60 th	30.92
72.65	65 th	28.60	79.09	65 th	31.13
73.18	70 th	28.81	79.63	70 th	31.35
73.76	75 th	29.04	80.24	75 th	31.59
74.41	80 th	29.30	80.93	80 th	31.86
75.17	85 th	29.59	81.72	85 th	32.17
76.13	90 th	29.97	82.72	90 th	32.57
77.57	95 th	30.54	84.15	95 th	33.13
78.51	97 th	30.91	85.03	97 th	33.48
79.20	98 th	31.18	85.65	98 th	33.72
80.28	99 th	31.61	86.53	99 th	34.07



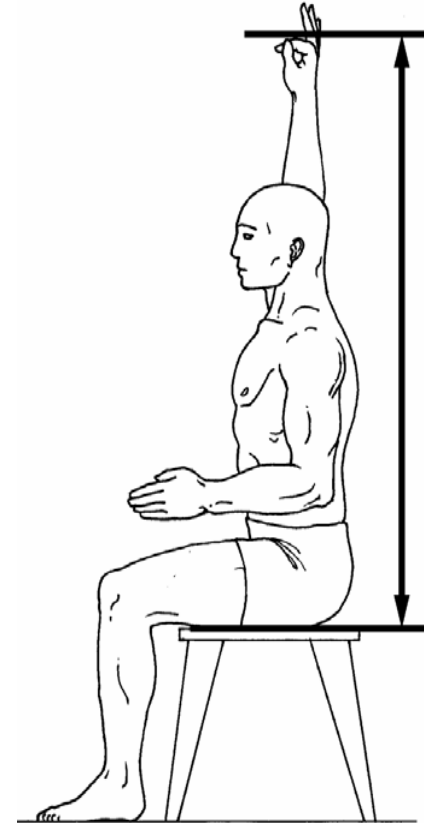
Vertical Index Fingertip Reach, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
131.53	Mean	51.78	142.09	Mean	55.94
5.55	Std Dev	2.19	5.87	Std Dev	2.31
149.90	Maximum	59.02	168.10	Maximum	66.18
11.70	Minimum	43.98	115.40	Minimum	45.43
Percentiles			Percentiles		
118.78	1 st	46.76	128.17	1 st	50.46
120.11	2 nd	47.29	129.98	2 nd	51.17
121.01	3 rd	47.64	131.08	3 rd	51.61
122.27	5 th	48.14	132.51	5 th	52.17
124.28	10 th	49.93	134.65	10 th	53.01
125.67	15 th	49.48	136.06	15 th	53.57
126.78	20 th	49.91	137.17	20 th	54.00
127.74	25 th	50.29	138.13	25 th	54.38
128.61	30 th	50.63	138.99	30 th	54.72
129.40	35 th	50.94	139.78	35 th	55.03
130.15	40 th	51.24	140.55	40 th	55.33
130.87	45 th	51.52	141.29	45 th	55.63
131.59	50 th	51.81	142.03	50 th	55.92
132.30	55 th	52.08	142.77	55 th	56.21
133.01	60 th	52.37	143.52	60 th	56.51
133.74	65 th	52.65	144.31	65 th	56.81
134.51	70 th	52.96	145.14	70 th	57.14
135.33	75 th	53.28	146.04	75 th	57.50
136.25	80 th	53.64	147.06	80 th	57.90
137.31	85 th	54.06	148.23	85 th	58.36
138.63	90 th	54.58	149.69	90 th	58.93
140.59	95 th	55.35	151.81	95 th	59.77
141.86	97 th	55.85	153.13	97 th	60.29
142.81	98 th	56.22	154.05	98 th	60.65
144.32	99 th	56.82	155.40	99 th	61.18



Vertical Thumbtip Reach, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
126.37	Mean	49.75	136.44	Mean	53.72
5.36	Std Dev	2.11	5.68	Std Dev	2.24
144.30	Maximum	56.81	161.30	Maximum	63.50
107.40	Minimum	42.28	110.70	Minimum	43.58
Percentiles			Percentiles		
113.96	1 st	44.87	122.95	1 st	48.41
115.30	2 nd	45.39	124.76	2 nd	49.12
116.18	3 rd	45.74	125.84	3 rd	49.54
117.41	5 th	46.22	127.24	5 th	50.09
119.36	10 th	46.99	129.29	10 th	50.90
120.71	15 th	47.52	130.64	15 th	51.43
121.77	20 th	47.94	131.70	20 th	51.85
122.70	25 th	48.31	132.62	25 th	52.21
123.53	30 th	48.43	133.44	30 th	52.54
124.30	35 th	48.94	134.21	35 th	52.84
125.02	40 th	49.22	134.94	40 th	53.13
125.72	45 th	49.50	135.66	45 th	53.41
126.42	50 th	49.77	136.38	50 th	53.69
127.10	55 th	50.04	137.10	55 th	53.98
127.80	60 th	50.31	137.83	60 th	54.27
128.51	65 th	50.59	138.60	65 th	54.57
129.25	70 th	50.89	139.42	70 th	54.89
130.06	75 th	51.20	140.30	75 th	55.24
130.95	80 th	51.56	141.30	80 th	55.63
131.98	85 th	51.96	142.45	85 th	56.08
133.26	90 th	52.47	143.88	90 th	56.65
135.15	95 th	53.21	145.93	95 th	57.45
136.36	97 th	53.69	147.18	97 th	57.95
137.26	98 th	54.04	148.04	98 th	58.28
138.66	99 th	54.59	149.26	99 th	58.76



Vertical Wrist Height

FEMALE
N = 2208

<u>Centimeters</u>		<u>Inches</u>
188.10	Mean	74.06
8.55	Std Dev	3.37
218.10	Maximum	85.87
156.00	Minimum	61.42

Percentiles

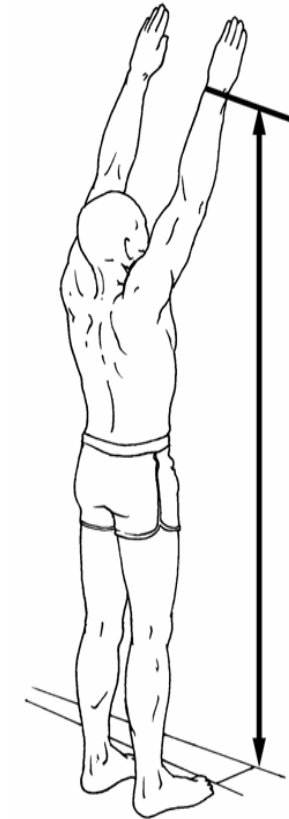
168.38	1 st	66.29
170.93	2 nd	67.29
172.46	3 rd	67.90
174.46	5 th	68.68
177.42	10 th	69.85
179.39	15 th	70.62
180.94	20 th	71.24
182.29	25 th	71.77
183.51	30 th	72.25
184.64	35 th	72.69
185.74	40 th	73.12
186.80	45 th	73.54
187.87	50 th	73.96
188.95	55 th	74.39
190.06	60 th	74.82
191.21	65 th	75.28
192.44	70 th	75.76
193.79	75 th	76.29
195.30	80 th	76.89
197.07	85 th	77.58
199.30	90 th	78.46
202.55	95 th	79.75
204.59	97 th	80.55
206.03	98 th	81.12
208.16	99 th	81.95

MALE
N = 1774

<u>Centimeters</u>		<u>Inches</u>
203.76	Mean	80.22
9.07	Std Dev	3.57
244.80	Maximum	96.38
163.80	Minimum	64.49

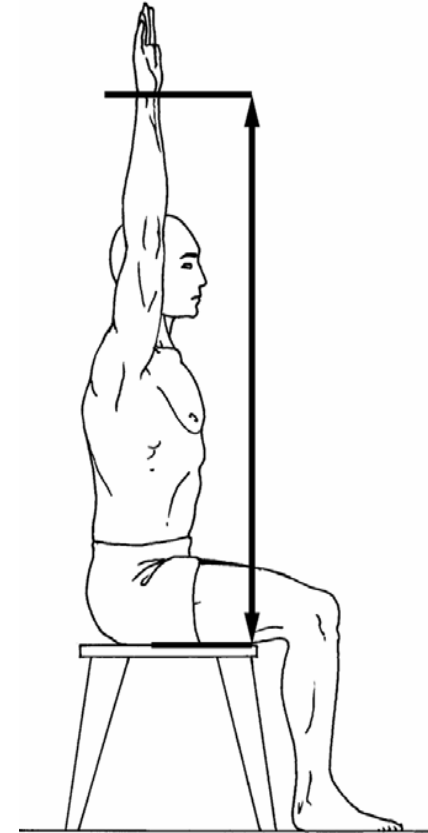
Percentiles

182.72	1 st	71.94
185.42	2 nd	73.00
187.04	3 rd	73.64
189.17	5 th	74.47
192.33	10 th	75.72
194.44	15 th	76.55
196.11	20 th	77.21
197.57	25 th	77.78
198.89	30 th	78.30
200.12	35 th	78.79
201.30	40 th	79.25
202.45	45 th	79.71
203.61	50 th	80.16
204.77	55 th	80.62
205.96	60 th	81.09
207.19	65 th	81.57
208.51	70 th	82.09
209.93	75 th	82.65
211.52	80 th	83.28
213.35	85 th	84.00
215.62	90 th	84.89
218.81	95 th	86.15
220.72	97 th	86.90
222.00	98 th	87.40
223.76	99 th	88.09



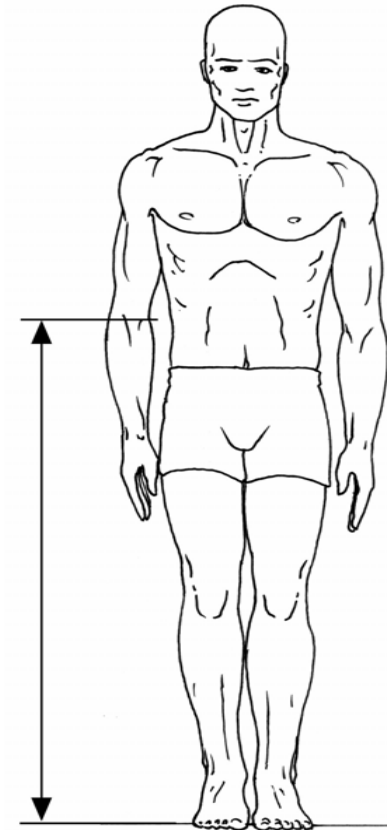
Vertical Wrist Height, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
114.61	Mean	45.12	124.00	Mean	48.82
4.98	Std Dev	1.96	5.30	Std Dev	2.08
131.70	Maximum	51.85	156.50	Maximum	57.68
96.80	Minimum	38.11	100.30	Minimum	39.49
Percentiles			Percentiles		
103.03	1 st	40.56	111.34	1 st	43.84
104.34	2 nd	41.08	113.06	2 nd	44.51
105.19	3 rd	41.41	114.08	3 rd	44.91
106.34	5 th	41.87	115.41	5 th	45.44
108.15	10 th	42.58	117.35	10 th	46.20
109.38	15 th	43.06	118.62	15 th	46.70
110.35	20 th	43.45	119.62	20 th	47.09
111.20	25 th	43.78	120.47	25 th	47.43
111.96	30 th	44.05	121.23	30 th	47.73
112.67	35 th	44.36	121.95	35 th	48.01
113.33	40 th	44.62	122.63	40 th	48.28
113.87	45 th	44.87	123.29	45 th	48.54
114.62	50 th	45.13	123.95	50 th	48.80
115.26	55 th	45.38	124.62	55 th	49.06
115.90	60 th	45.63	125.30	60 th	49.33
116.57	65 th	45.89	126.01	65 th	49.61
117.27	70 th	46.17	126.76	70 th	49.90
118.02	75 th	46.46	127.57	75 th	50.22
118.86	80 th	46.79	128.49	80 th	50.58
119.82	85 th	47.17	129.54	85 th	51.00
121.03	90 th	47.65	130.87	90 th	51.52
122.77	95 th	48.34	132.77	95 th	52.27
123.88	97 th	48.77	133.95	97 th	52.73
124.68	98 th	49.09	134.76	98 th	53.06
125.90	99 th	49.57	135.94	99 th	53.52



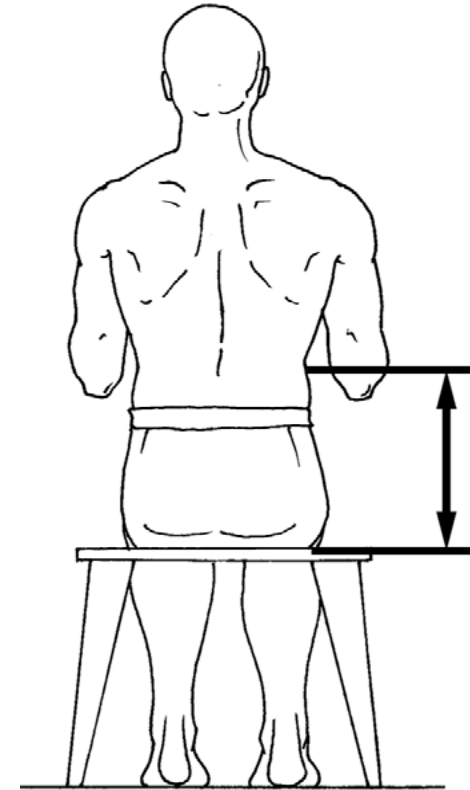
Waist Height (Natural Indentation)

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
105.65	Mean	41.60	112.71	Mean	44.37
5.17	Std Dev	2.04	5.20	Std Dev	2.05
123.40	Maximum	48.58	134.80	Maximum	53.07
86.30	Minimum	33.98	91.70	Minimum	36.10
Percentiles			Percentiles		
94.14	1 st	37.06	100.91	1 st	39.73
95.39	2 nd	37.56	102.28	2 nd	40.27
96.20	3 rd	37.88	103.15	3 rd	40.61
97.32	5 th	38.32	104.31	5 th	41.07
99.09	10 th	39.01	106.11	10 th	41.78
100.30	15 th	39.49	107.33	15 th	42.26
101.26	20 th	39.87	108.30	20 th	42.64
102.10	25 th	40.20	109.15	25 th	42.97
102.86	30 th	40.50	109.91	30 th	43.27
103.56	35 th	40.77	110.62	35 th	43.55
104.23	40 th	41.04	111.29	40 th	43.82
104.88	45 th	41.29	111.95	45 th	44.07
105.53	50 th	41.55	112.60	50 th	44.33
106.18	55 th	41.80	113.26	55 th	44.59
106.84	60 th	42.06	113.92	60 th	44.85
107.52	65 th	42.33	114.62	65 th	45.13
108.25	70 th	42.62	115.35	70 th	45.41
109.04	75 th	42.93	116.15	75 th	45.73
109.93	80 th	43.28	117.05	80 th	46.08
110.97	85 th	43.69	118.08	85 th	46.49
112.31	90 th	44.22	119.40	90 th	47.01
1143.33	95 th	45.01	121.34	95 th	47.77
115.67	97 th	45.54	122.58	97 th	48.26
116.68	98 th	45.94	123.48	98 th	48.61
118.30	99 th	46.58	124.86	99 th	49.16



Waist Height, Sitting (Natural Indentation)

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
27.95	Mean	11.01	28.73	Mean	11.31
2.14	Std Dev	.84	1.66	Std Dev	.65
36.00	Maximum	14.17	34.70	Maximum	13.66
20.08	Minimum	8.19	23.10	Minimum	9.09
Percentiles			Percentiles		
22.81	1 st	8.98	24.79	1 st	9.76
23.48	2 nd	9.24	35.31	2 nd	9.96
23.88	3 rd	9.40	25.63	3 rd	10.09
24.42	5 th	9.61	26.04	5 th	10.25
25.22	10 th	9.93	26.66	10 th	10.50
25.75	15 th	10.14	27.06	15 th	10.65
26.16	20 th	10.30	27.37	20 th	10.78
26.52	25 th	10.44	27.64	25 th	10.88
26.84	30 th	10.57	27.88	30 th	10.98
27.14	35 th	10.69	28.10	35 th	11.06
27.42	40 th	10.80	28.30	40 th	11.14
27.70	45 th	10.90	28.51	45 th	11.22
27.97	50 th	11.01	28.70	50 th	11.30
28.24	55 th	11.12	28.90	55 th	11.38
28.51	60 th	11.23	29.11	60 th	11.46
28.80	65 th	11.34	29.32	65 th	11.54
29.10	70 th	11.46	29.55	70 th	11.63
29.42	75 th	11.58	29.79	75 th	11.73
29.78	80 th	11.73	30.07	80 th	11.84
30.20	85 th	11.89	30.41	85 th	11.97
30.72	90 th	12.09	30.84	90 th	12.14
31.46	95 th	12.39	31.58	95 th	12.40
31.92	97 th	12.57	31.95	97 th	12.58
32.25	98 th	12.70	32.29	98 th	12.71
32.73	99 th	12.89	32.85	99 th	12.93



Wrist Height, Sitting**FEMALE**
N = 2208

<u>Centimeters</u>		<u>Inches</u>
47.13	Mean	18.55
3.44	Std Dev	1.36
57.20	Maximum	22.52
35.50	Minimum	13.98

Percentiles

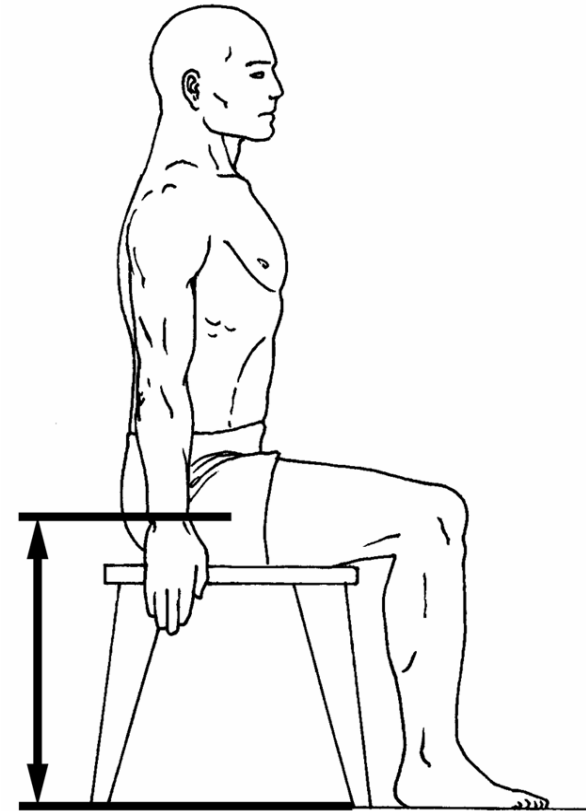
39.46	1 st	15.53
40.09	2 nd	15.78
40.57	3 rd	15.97
41.29	5 th	16.25
42.52	10 th	16.74
43.40	15 th	17.09
44.12	20 th	17.37
44.75	25 th	17.62
45.31	30 th	17.84
45.83	35 th	18.04
46.32	40 th	18.24
46.79	45 th	18.42
47.25	50 th	18.60
47.71	55 th	18.78
48.16	60 th	18.96
48.62	65 th	19.14
49.10	70 th	19.33
49.61	75 th	19.53
50.16	80 th	19.75
50.79	85 th	19.99
51.56	90 th	20.30
52.66	95 th	20.73
53.37	97 th	21.01
53.89	98 th	21.22
54.72	99 th	21.54

MALE
N = 1774

<u>Centimeters</u>		<u>Inches</u>
45.98	Mean	18.10
.52	Std Dev	1.39
55.90	Maximum	22.01
34.30	Minimum	13.50

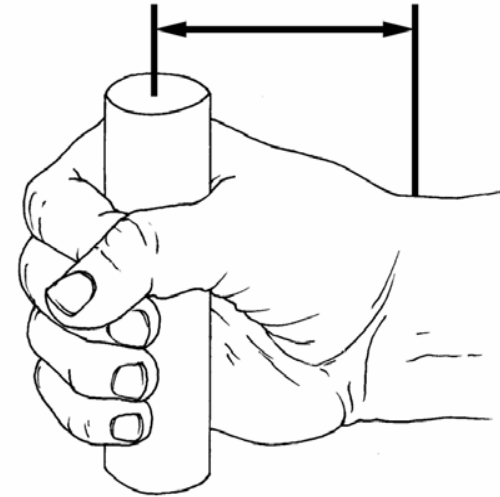
Percentiles

37.13	1 st	14.62
38.19	2 nd	15.04
38.88	3 rd	15.31
39.84	5 th	15.68
41.32	10 th	16.27
42.30	15 th	16.66
43.07	20 th	16.96
43.72	25 th	17.21
44.29	30 th	17.44
44.81	35 th	17.64
45.29	40 th	17.83
45.74	45 th	18.01
46.19	50 th	18.18
46.62	55 th	18.35
47.05	60 th	18.52
47.49	65 th	18.70
47.94	70 th	18.88
48.43	75 th	19.07
48.96	80 th	19.28
49.57	85 th	19.52
50.34	90 th	19.82
51.50	95 th	20.27
52.27	97 th	20.58
52.87	98 th	20.82
53.88	99 th	21.21



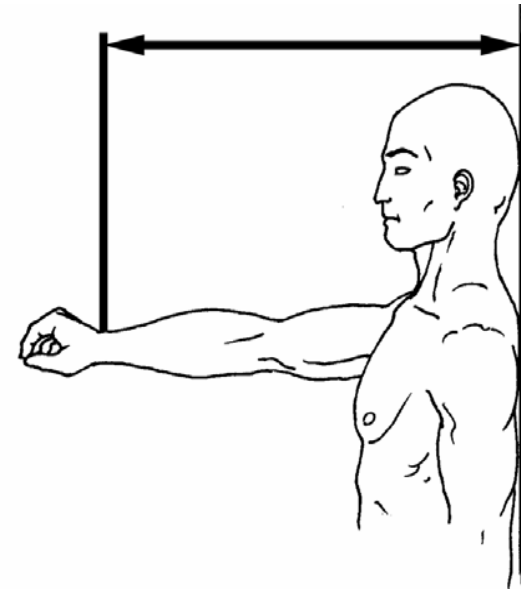
Wrist-Center Of Grip Length

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
6.63	Mean	2.61	6.97	Mean	2.75
.49	Std Dev	.19	.49	Std Dev	.19
8.30	Maximum	3.27	8.70	Maximum	3.43
5.20	Minimum	2.05	5.70	Minimum	2.24
Percentiles			Percentiles		
5.57	1 st	2.19	5.99	1 st	2.36
5.69	2 nd	2.24	6.08	2 nd	2.40
5.77	3 rd	2.27	6.15	3 rd	2.42
5.87	5 th	2.31	6.23	5 th	2.45
6.02	10 th	2.37	6.37	10 th	2.51
6.12	15 th	2.41	6.47	15 th	2.55
6.21	20 th	2.44	6.55	20 th	2.58
6.28	25 th	2.47	6.62	25 th	2.61
6.35	30 th	2.50	6.69	30 th	2.63
6.41	35 th	2.52	6.75	35 th	2.66
6.47	40 th	2.55	6.82	40 th	2.68
6.54	45 th	2.57	6.88	45 th	2.71
6.60	50 th	2.60	6.94	50 th	2.73
6.66	55 th	2.62	7.01	55 th	2.76
6.73	60 th	2.65	7.07	60 th	2.78
6.80	65 th	2.68	7.14	65 th	2.81
6.87	70 th	2.70	7.22	70 th	2.84
6.95	75 th	2.74	7.30	75 th	2.87
7.04	80 th	2.77	7.39	80 th	2.91
7.15	85 th	2.81	7.50	85 th	2.95
7.29	90 th	2.87	7.63	90 th	3.00
7.49	95 th	2.95	7.83	95 th	3.08
7.62	97 th	3.00	7.95	97 th	3.13
7.71	98 th	3.04	8.04	98 th	3.16
7.85	99 th	3.09	8.16	99 th	3.21



Wrist-Wall Length

FEMALE			MALE		
N = 2208			N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
61.98	Mean	24.40	68.09	Mean	26.81
3.21	Std Dev	1.26	3.48	Std Dev	1.37
76.30	Maximum	30.04	83.50	Maximum	32.87
50.80	Minimum	20.00	56.50	Minimum	22.24
Percentiles			Percentiles		
55.30	1 st	21.77	60.69	1 st	23.90
55.89	2 nd	22.00	61.36	2 nd	24.16
56.30	3 rd	22.16	61.83	3 rd	24.34
56.89	5 th	22.40	62.51	5 th	24.61
57.89	10 th	22.79	63.65	10 th	25.06
58.60	15 th	23.07	64.46	15 th	25.38
59.19	20 th	23.30	65.12	20 th	25.64
59.71	25 th	23.51	65.70	25 th	25.86
60.18	30 th	23.69	66.22	30 th	26.07
60.62	35 th	23.87	66.70	35 th	26.26
61.05	40 th	24.04	67.16	40 th	26.44
61.47	45 th	24.20	67.61	45 th	26.62
61.89	50 th	24.36	68.05	50 th	26.79
62.31	55 th	24.53	68.49	55 th	26.96
62.73	60 th	24.70	68.94	60 th	27.14
63.18	65 th	24.87	69.40	65 th	27.32
63.65	70 th	25.06	69.89	70 th	27.52
64.16	75 th	25.26	70.42	75 th	27.73
64.74	80 th	25.49	71.02	80 th	27.96
65.41	85 th	25.75	71.71	85 th	28.23
66.26	90 th	26.09	72.60	90 th	28.58
67.52	95 th	26.58	73.96	95 th	29.12
68.34	97 th	26.91	74.88	97 th	29.48
68.95	98 th	27.15	75.58	98 th	29.75
69.91	99 th	27.52	76.73	99 th	30.21



Wrist-Wall Length, Extended

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
67.93	Mean	26.74	74.84	Mean	29.47
3.43	Std Dev	1.35	3.73	Std Dev	1.47
84.50	Maximum	33.27	90.30	Maximum	35.55
56.00	Minimum	22.05	63.00	Minimum	24.80
Percentiles			Percentiles		
60.56	1 st	23.84	66.43	1 st	26.15
61.29	2 nd	24.13	67.34	2 nd	26.51
61.78	3 rd	24.32	67.94	3 rd	26.75
62.47	5 th	24.60	68.78	5 th	27.08
63.59	10 th	25.04	70.09	10 th	27.59
64.37	15 th	25.34	70.98	15 th	27.95
65.01	20 th	25.59	71.69	20 th	28.23
65.56	25 th	25.81	72.31	25 th	28.47
66.07	30 th	26.01	72.86	30 th	28.69
66.54	35 th	26.20	73.37	35 th	28.89
66.99	40 th	26.37	73.85	40 th	29.08
67.43	45 th	26.55	74.32	45 th	29.26
67.87	50 th	26.72	74.79	50 th	29.44
68.37	55 th	26.89	75.25	55 th	29.63
68.76	60 th	27.07	75.72	60 th	29.81
69.32	65 th	27.25	76.21	65 th	30.00
69.72	70 th	27.45	76.72	70 th	30.20
70.25	75 th	27.66	77.28	75 th	30.43
70.85	80 th	27.90	77.91	80 th	30.67
71.55	85 th	28.17	78.65	85 th	30.97
72.43	90 th	28.52	79.61	90 th	31.34
73.74	95 th	29.03	81.07	95 th	31.92
74.59	97 th	29.37	82.06	97 th	32.31
75.21	98 th	29.61	82.82	98 th	32.61
76.19	99 th	29.99	84.08	99 th	33.10

