

ANTHROPOMETRIC DATA

TABLE OF CONTENTS

Anthropometric Data Point	Page #
Buttock Height.....	1
Buttock-Knee Length.....	2
Buttock-Popliteal Length.....	3
Elbow Rest Height.....	4
Elbow Rest Height, Standing.....	5
Elbow-Center of Grip Length.....	6
Elbow-wrist Length.....	7
Eye Height Approximation, Sitting.....	8
Eye Height, Sitting.....	9
Eye Height, Standing.....	10
Forearm-Forearm Breadth.....	11
Forearm-Hand Length.....	12
Functional Grip Reach.....	13
Functional Grip Reach, Extended.....	14
Functional Leg Length, Seated.....	15
Hand Breadth.....	16
Hand Circumference.....	17
Hand Length.....	18
Hip Breadth.....	19
Knee Height, Sitting.....	20
Lower Arm.....	21
Lower Leg.....	22
Overhead Fingertip Reach, Sitting.....	23
Popliteal Height.....	24
Shoulder Height.....	25
Shoulder Height, Sitting.....	26
Shoulder-Elbow Length.....	27
Shoulder-Waist Length.....	28
Sitting Height.....	29
Sleeve Inseam.....	30
Span.....	31
Stature.....	32
Thumb Breadth.....	33
Thumbtip Reach, Extended.....	34
Upper Arm Length.....	35
Vertical Grip Reach.....	36
Vertical Grip Reach Down.....	37
Vertical Grip Reach, Sitting.....	38
Vertical Index Fingertip Reach Down.....	39
Vertical Index Fingertip Reach Sitting.....	40
Vertical Thumbtip Reach, Sitting.....	41



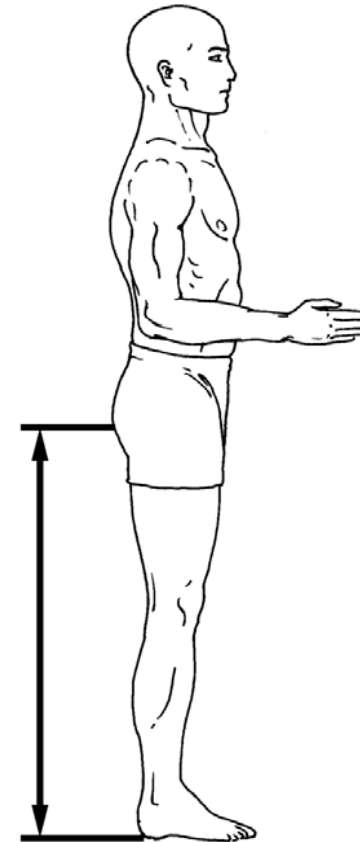
Vertical Wrist Height.....	42
Vertical Wrist Height, Sitting.....	43
Waist Height (Natural Indentation).....	44
Waist Height, Sitting (Natural Indentation).....	45
Wrist Height, Sitting.....	46
Wrist-Center of Grip Length.....	47
Wrist-wall Length.....	48
Wrist-Wall Length, Extended.....	49

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



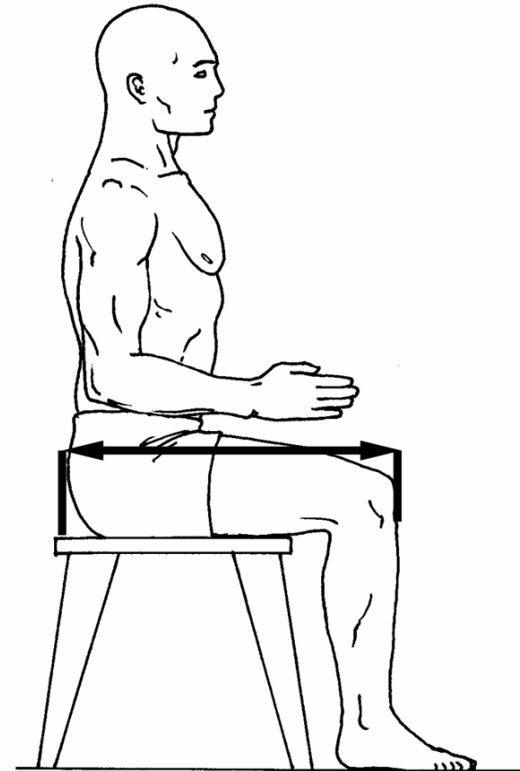
Buttock Height

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



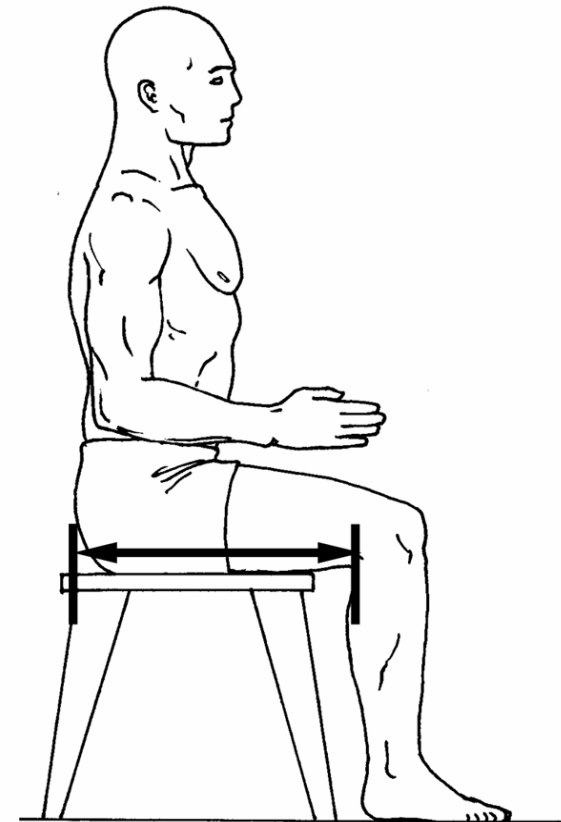
Buttock-Knee Length

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
27.66	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



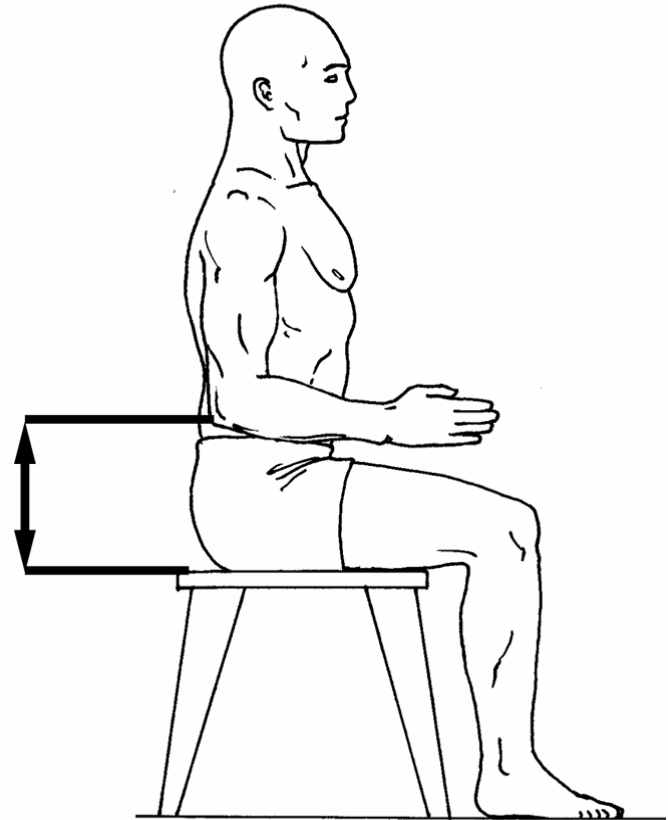
Buttock-Popliteal Length

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



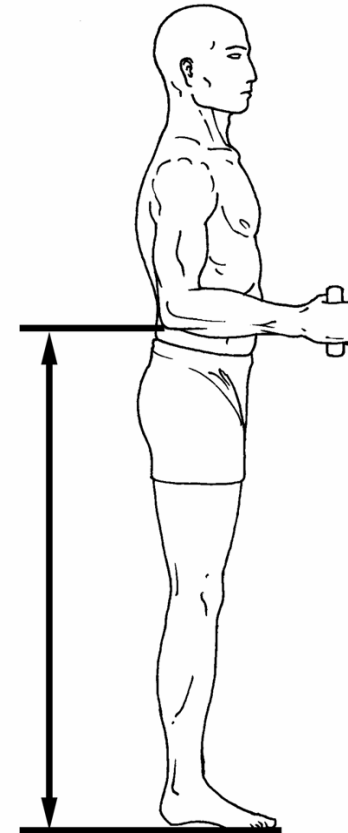
Elbow Rest Height, Sitting

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	8.25	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



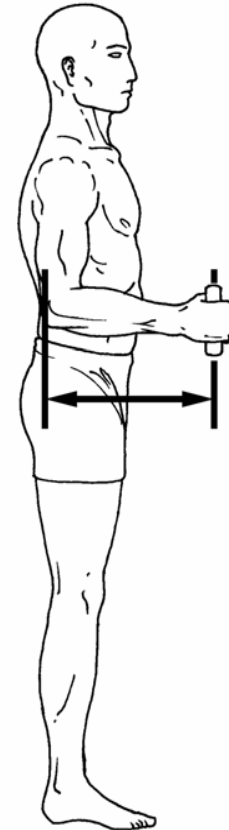
Elbow Rest Height, Standing

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



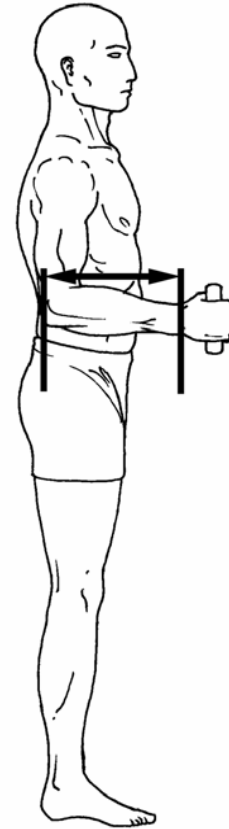
Elbow-Center of Grip Length

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



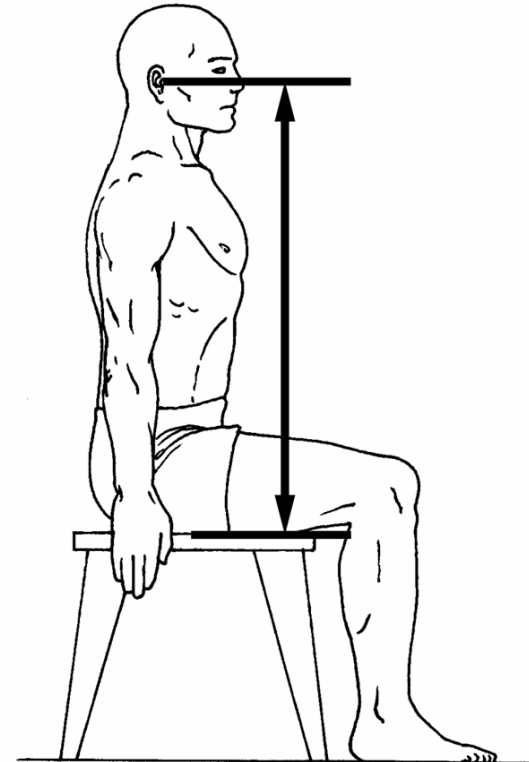
Elbow-Wrist Length

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



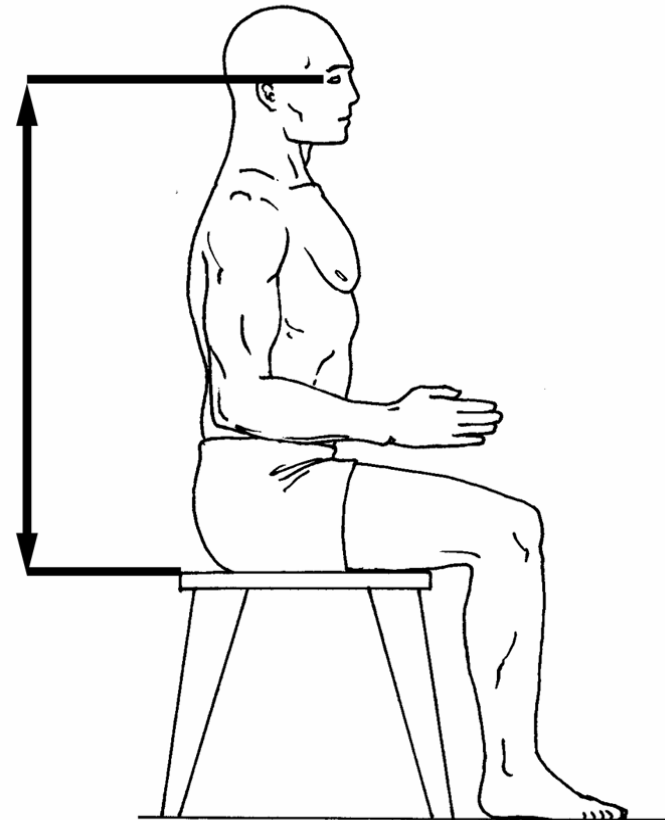
Eye Height Approximation, Sitting

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



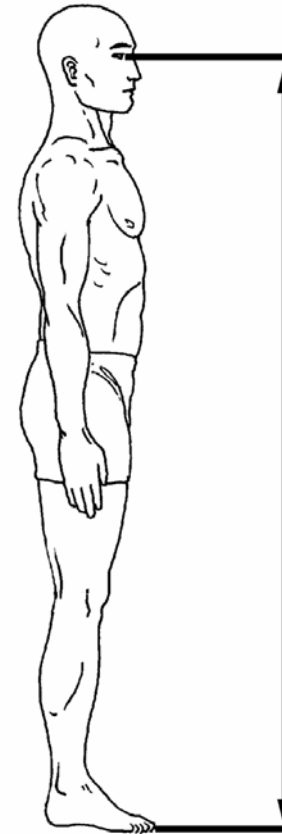
Eye Height, Sitting

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
73.87	Mean	29.08	79.20	Mean	31.18
3.32	Std Dev	1.31	3.42	Std Dev	1.35
86.40	Maximum	34.02	90.30	Maximum	35.55
64.00	Minimum	25.20	67.30	Minimum	26.50
Percentiles			Percentiles		
66.40	1 st	26.14	71.18	1 st	28.02
67.21	2 nd	26.46	72.11	2 nd	28.39
67.74	3 rd	26.67	72.70	3 rd	28.62
68.46	5 th	26.95	73.50	5 th	28.94
69.60	10 th	27.40	74.76	10 th	29.43
70.38	15 th	27.71	75.61	15 th	29.77
71.01	20 th	27.96	76.29	20 th	30.04
71.56	25 th	28.17	76.88	25 th	30.27
72.06	30 th	28.37	77.40	30 th	30.47
72.52	35 th	28.55	77.88	35 th	30.66
72.96	40 th	28.72	78.34	40 th	30.84
73.39	45 th	28.89	78.79	45 th	31.02
73.82	50 th	29.06	79.23	50 th	31.19
74.25	55 th	29.23	79.66	55 th	31.36
74.68	60 th	29.40	80.10	60 th	31.54
75.13	65 th	29.58	80.56	65 th	31.72
75.61	70 th	29.77	81.04	70 th	31.90
76.13	75 th	29.97	81.55	75 th	32.11
73.71	80 th	30.20	82.13	80 th	32.33
77.37	85 th	30.46	82.78	85 th	32.59
78.21	90 th	30.79	83.61	90 th	32.92
79.43	95 th	31.27	84.80	95 th	33.39
80.20	97 th	31.57	85.56	97 th	33.68
81.59	99 th	32.12	86.93	99 th	34.23
80.75	98 th	31.79	86.10	98 th	33.90



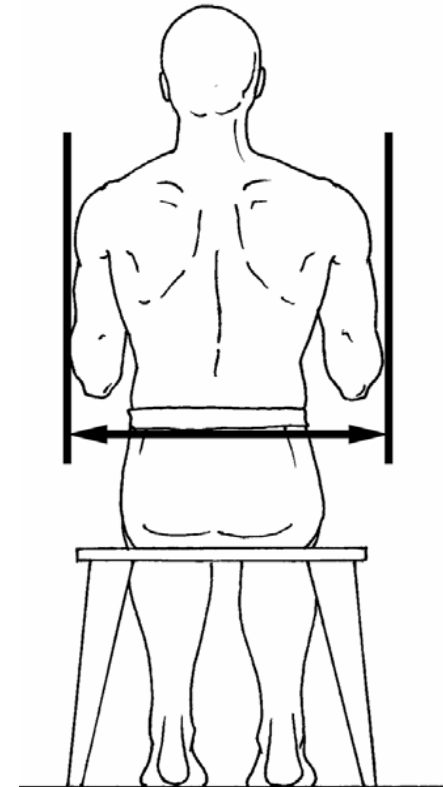
Eye Height, Standing

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



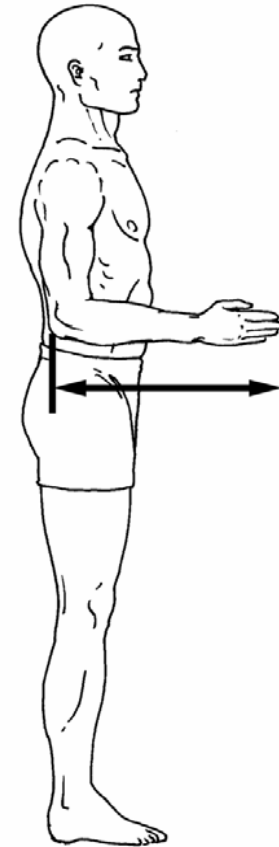
Forearm-Forearm Breadth

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



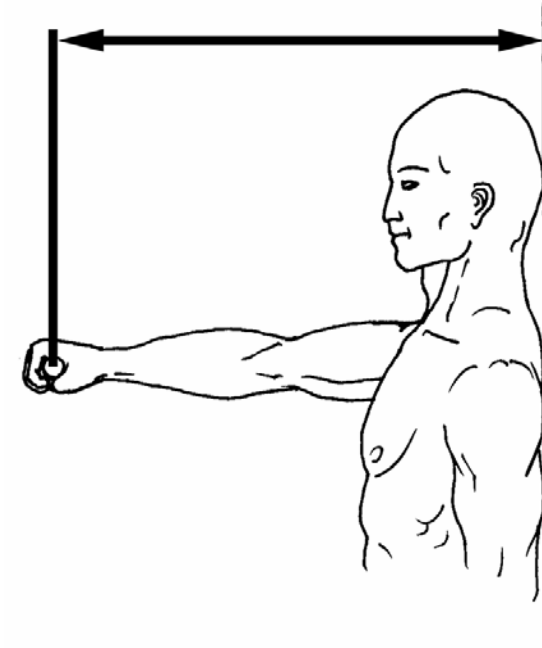
Forearm-Hand Length

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



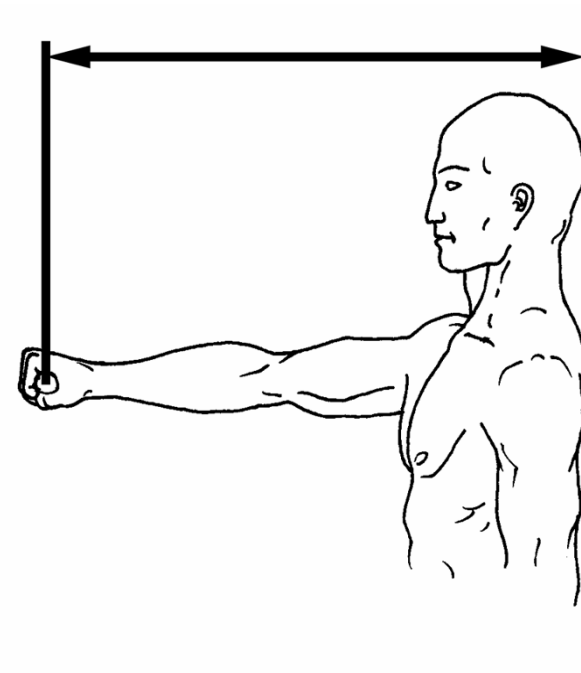
Functional Grip Reach

FEMALE N = 2208			MALE 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



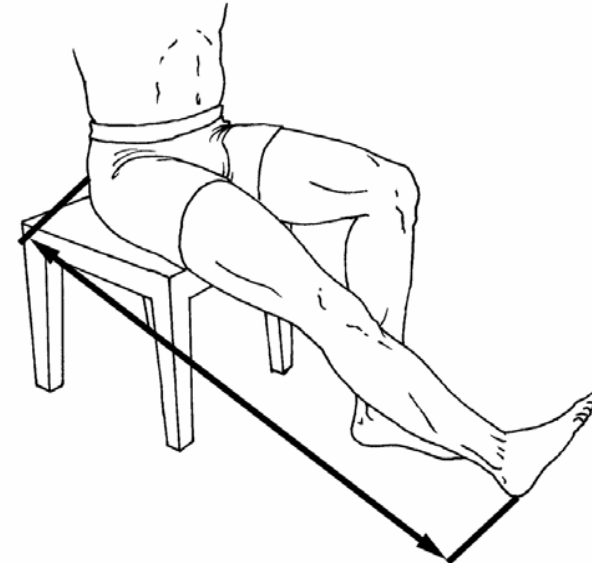
Functional Grip Reach, Extended

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



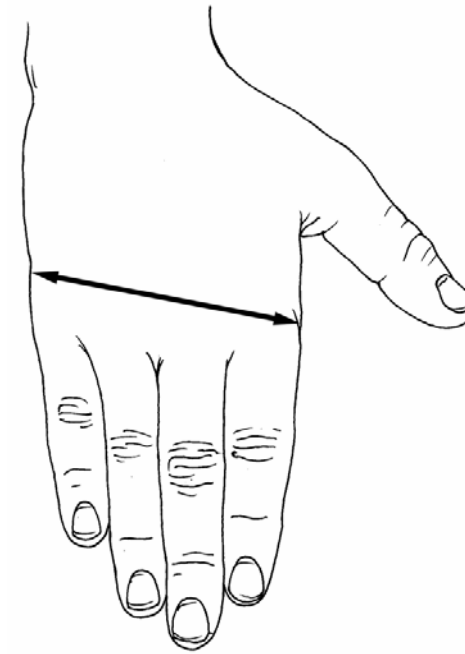
Functional Leg Length, Seated

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



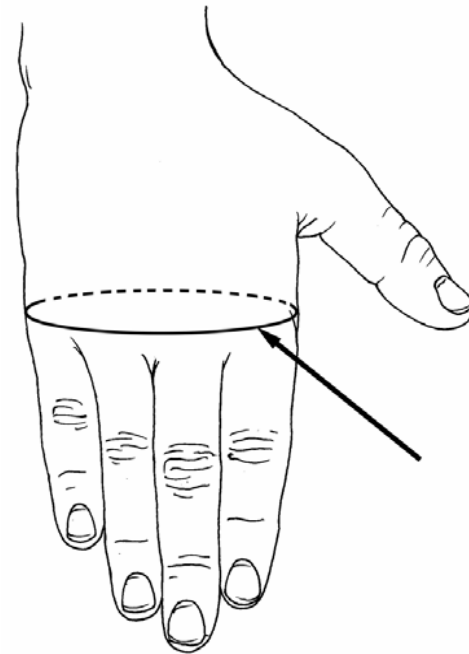
Hand Breadth

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



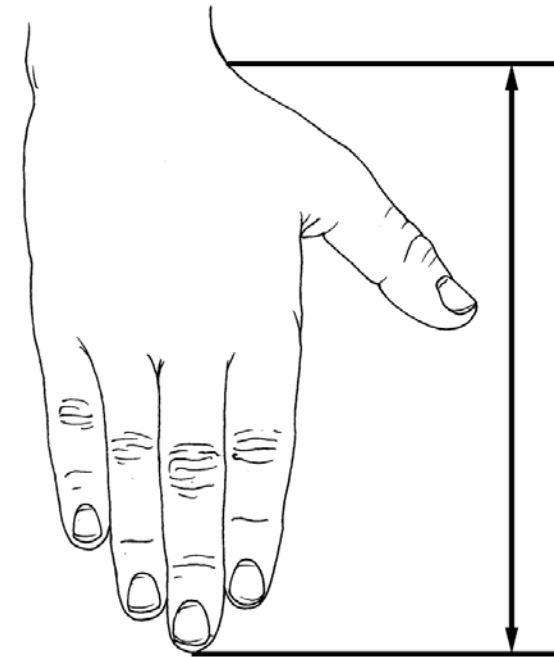
Hand Circumference

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

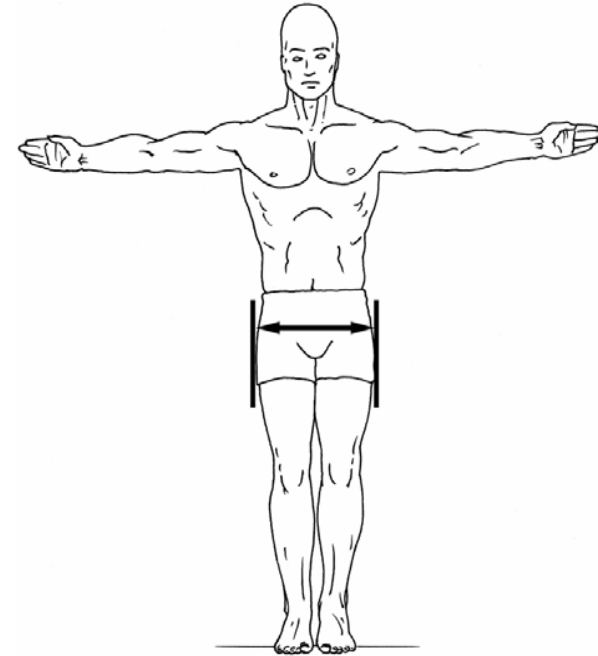
29.58	1 st	11.65
30.05	2 nd	11.83
30.35	3 rd	11.95
30.78	5 th	12.12
31.47	10 th	12.39
31.96	15 th	12.58
32.35	20 th	12.74
32.70	25 th	12.87
33.01	30 th	13.00
33.31	35 th	13.11
33.59	40 th	13.23
33.87	45 th	13.34
34.15	50 th	13.45
34.44	55 th	13.56
34.73	60 th	13.67
35.03	65 th	13.79
35.36	70 th	13.92
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

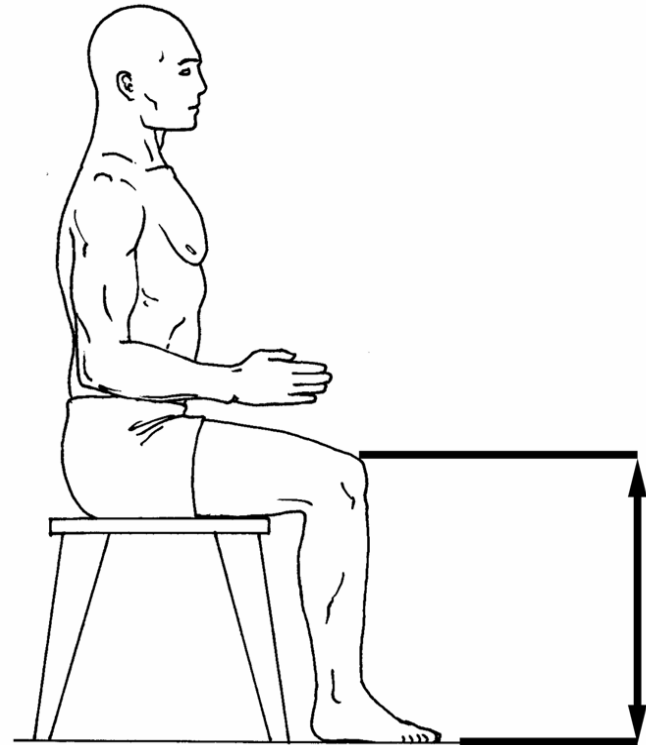
Percentiles

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



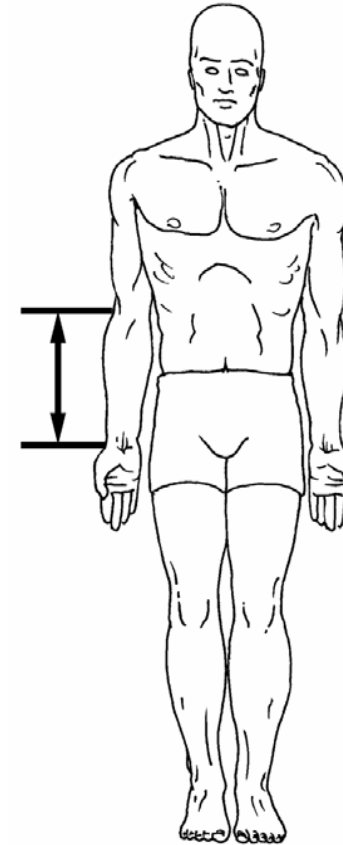
Knee Height, Sitting

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



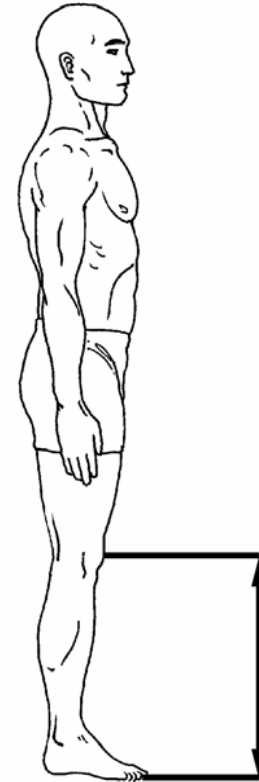
Lower Arm

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



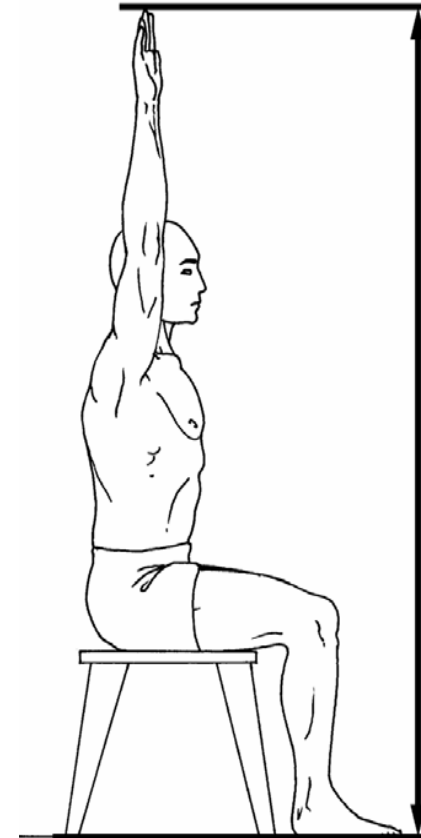
Lower Leg

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

<u>Centimeters</u>		<u>Inches</u>
38.94	Mean	15.33
2.37	Std Dev	.93
50.00	Maximum	19.69
29.90	Minimum	11.77

Percentiles

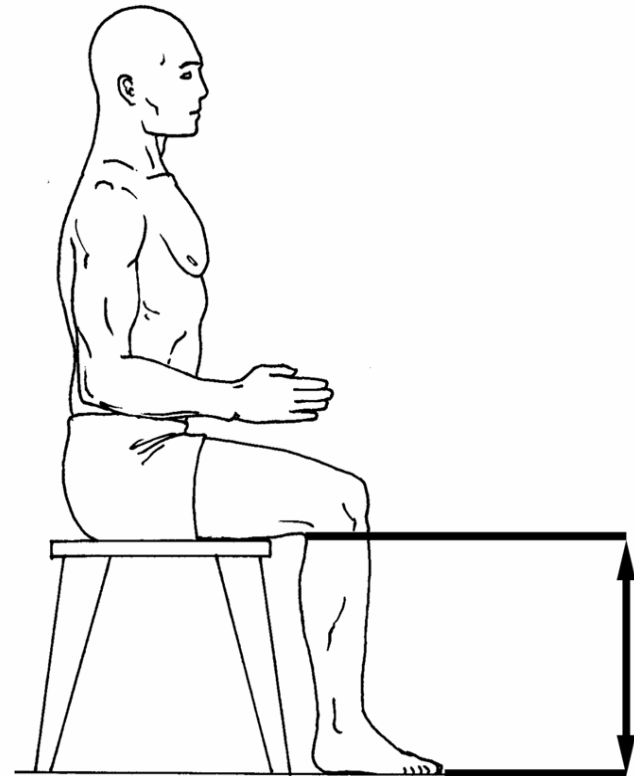
33.67	1 st	13.25
34.24	2 nd	13.48
34.61	3 rd	13.63
35.13	5 th	13.83
35.93	10 th	14.14
36.48	15 th	14.36
36.92	20 th	14.53
37.30	25 th	14.39
37.65	30 th	14.82
37.98	35 th	14.95
38.29	40 th	15.07
38.59	45 th	15.19
38.89	50 th	15.31
39.19	55 th	15.43
39.50	60 th	15.55
39.82	65 th	15.68
40.16	70 th	15.81
40.53	75 th	15.96
40.94	80 th	16.12
41.42	85 th	16.31
42.04	90 th	16.55
42.94	95 th	16.91
43.53	97 th	17.14
43.96	98 th	17.31
44.63	99 th	17.57

MALE
N = 1774

<u>Centimeters</u>		<u>Inches</u>
43.41	Mean	17.09
2.49	Std Dev	.98
54.70	Maximum	21.54
33.80	Minimum	13.31

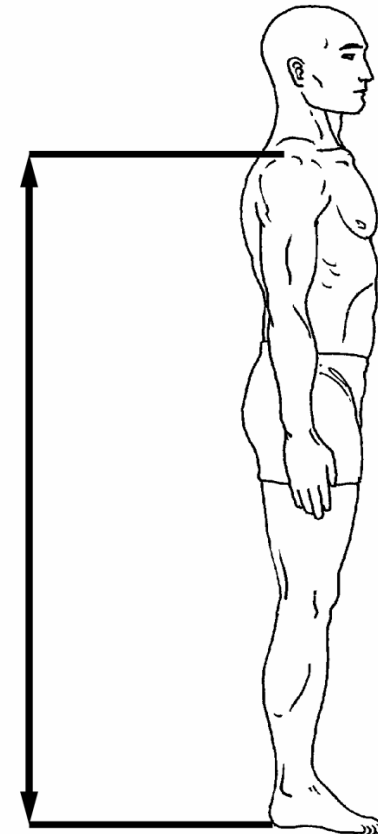
Percentiles

37.83	1 st	14.89
38.49	2 nd	15.15
38.90	3 rd	15.32
39.46	5 th	15.53
40.30	10 th	15.86
40.86	15 th	16.09
41.31	20 th	16.26
41.70	25 th	16.42
42.06	30 th	16.56
42.39	35 th	16.69
42.70	40 th	16.81
43.01	45 th	16.93
43.32	50 th	17.06
43.63	55 th	17.18
43.95	60 th	17.30
44.28	65 th	17.43
44.64	70 th	17.57
45.03	75 th	17.73
45.47	80 th	17.90
45.98	85 th	18.10
46.64	90 th	18.36
47.63	95 th	18.75
48.28	97 th	19.01
48.75	98 th	19.19
49.49	99 th	19.48



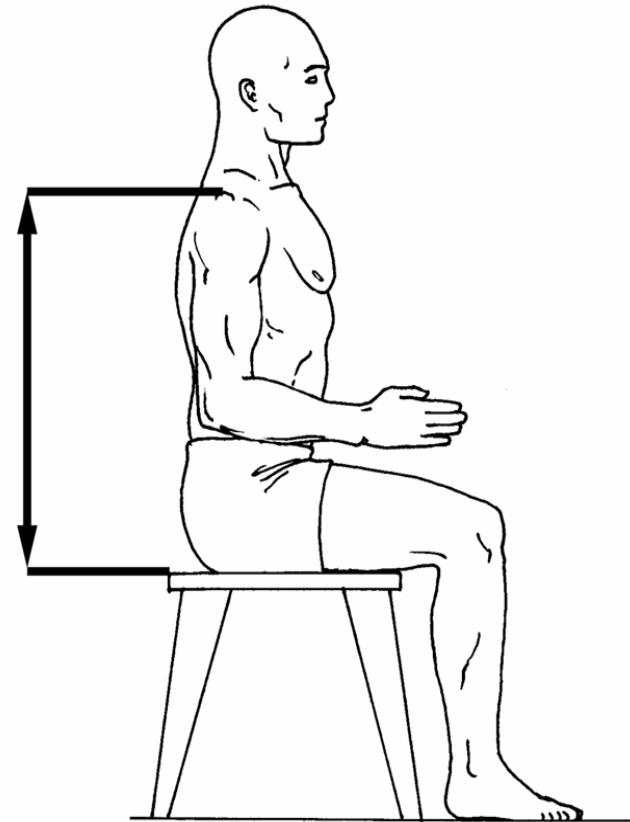
Shoulder Height

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



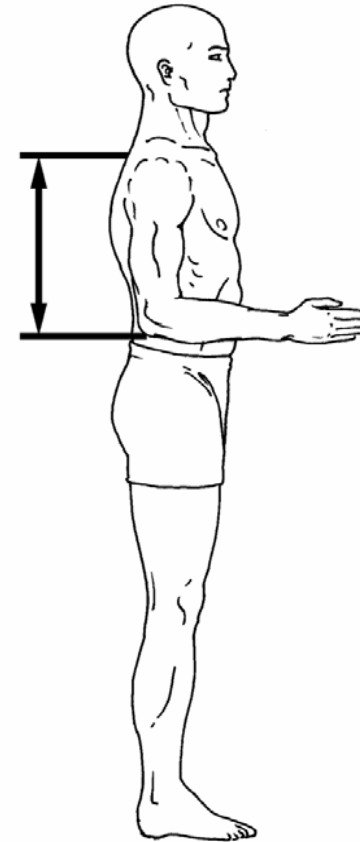
Shoulder Height, Sitting

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



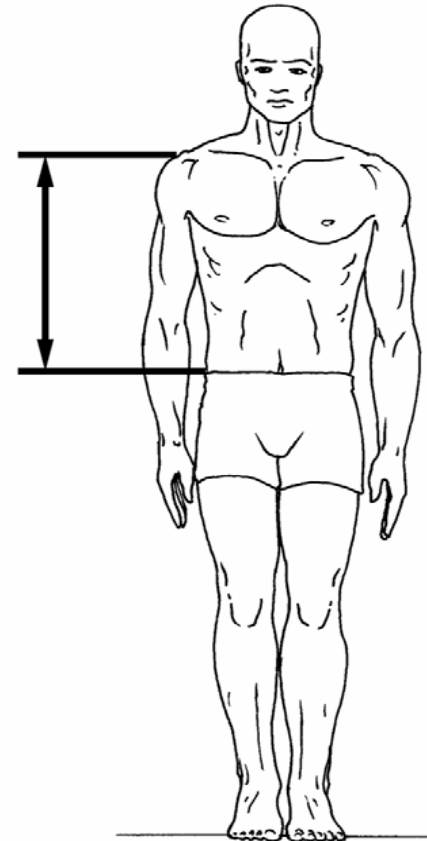
Shoulder-Elbow Length

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



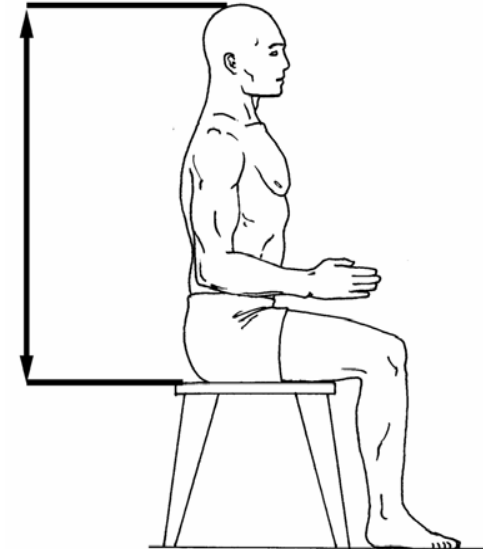
Shoulder-Waist Length (Omphalion)

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



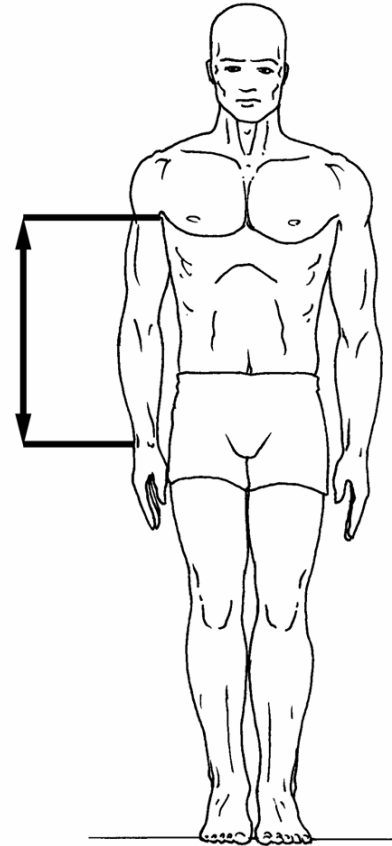
Sitting Height

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



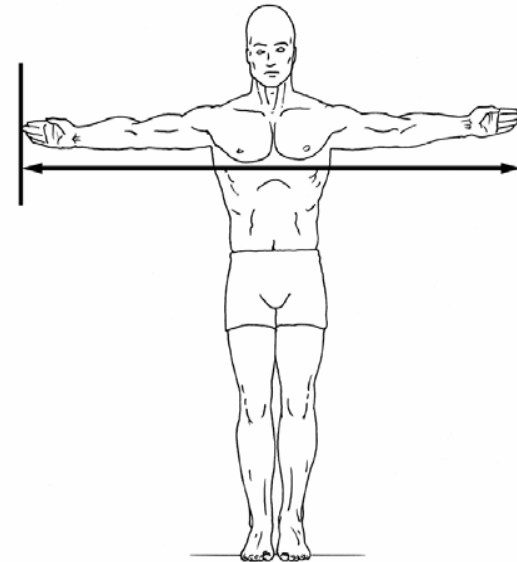
Sleeve Inseam

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



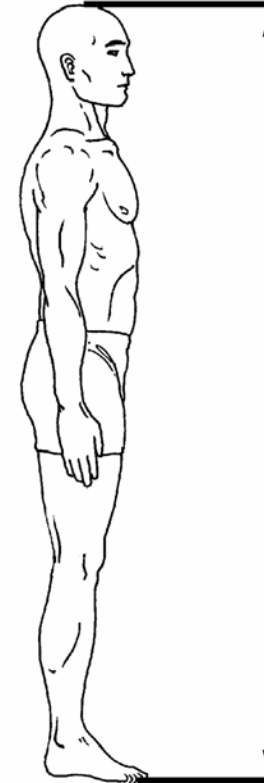
Span

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



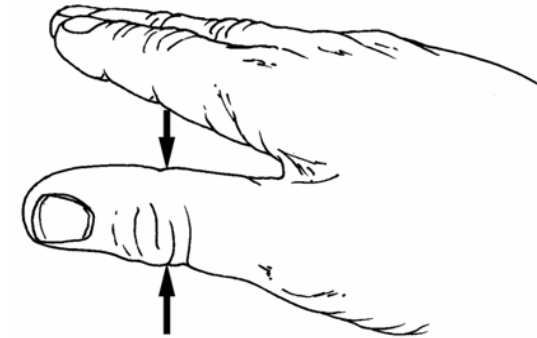
Stature

FEMALE N = 2208			MALE 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



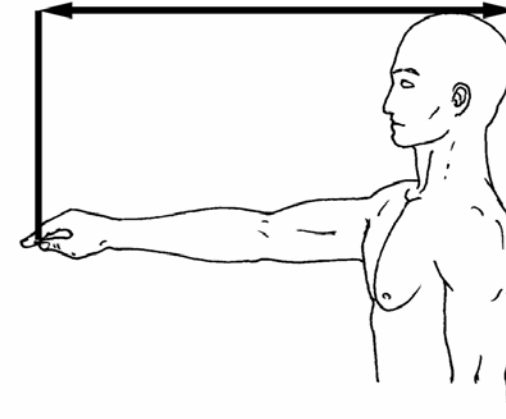
Thumb Breadth

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



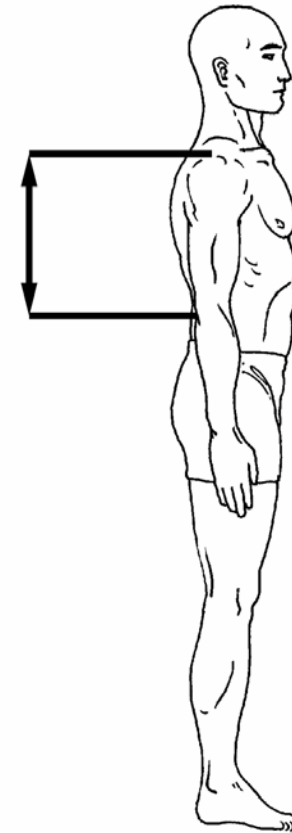
Thumbtip Reach, Extended

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



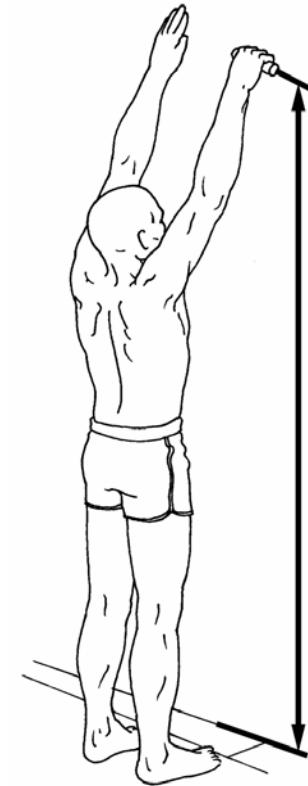
Upper Arm Length

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



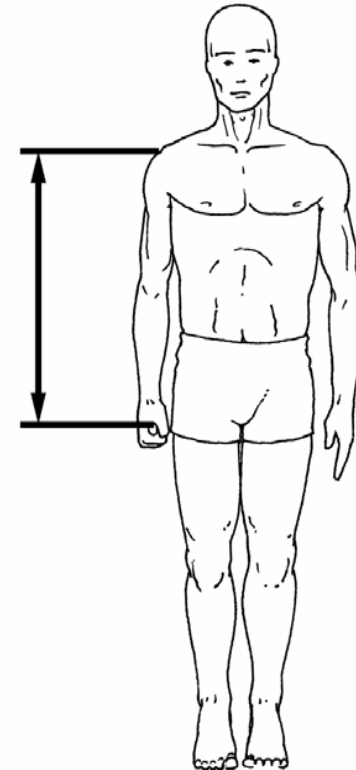
Vertical Grip Reach

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



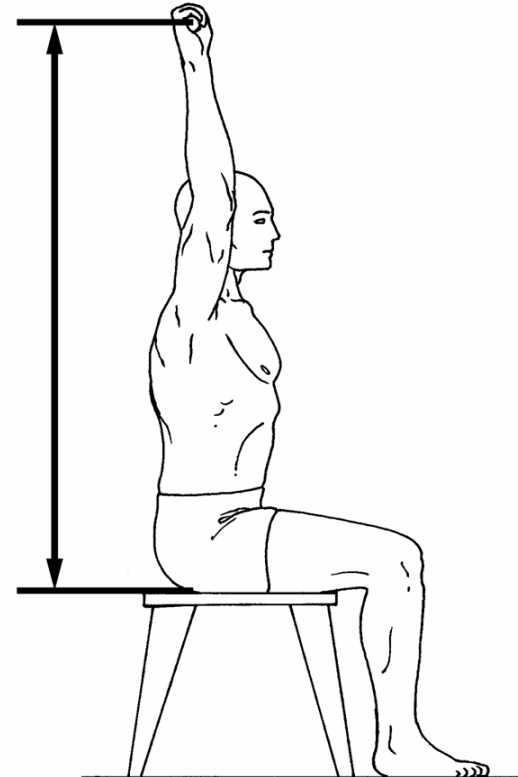
Vertical Grip Reach Down

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



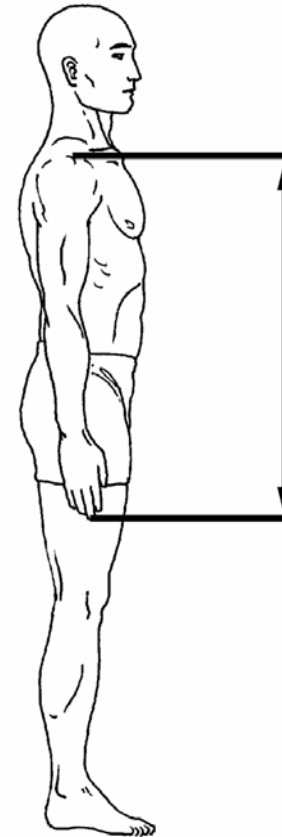
Vertical Grip Reach, Sitting

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



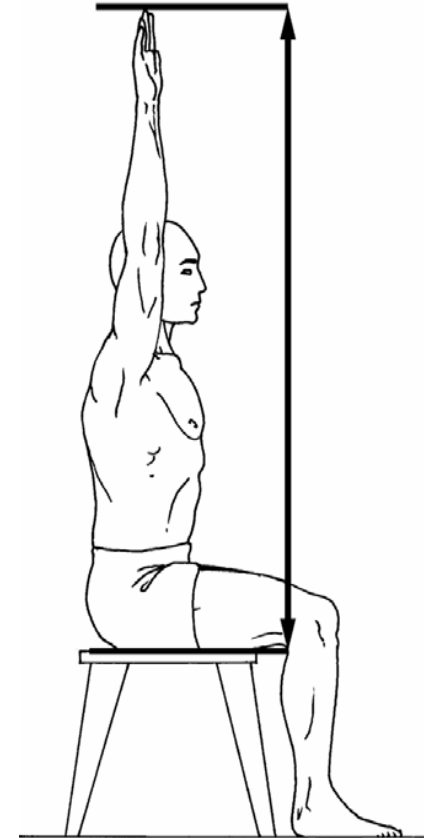
Vertical Index Fingertip Reach Down

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



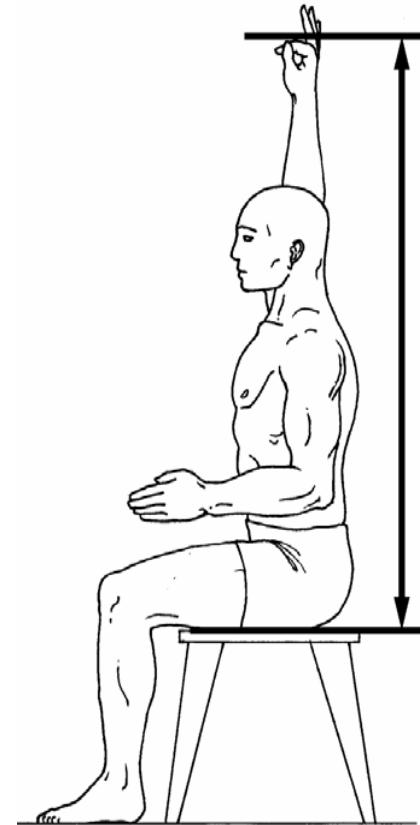
Vertical Index Fingertip Reach, Sitting

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



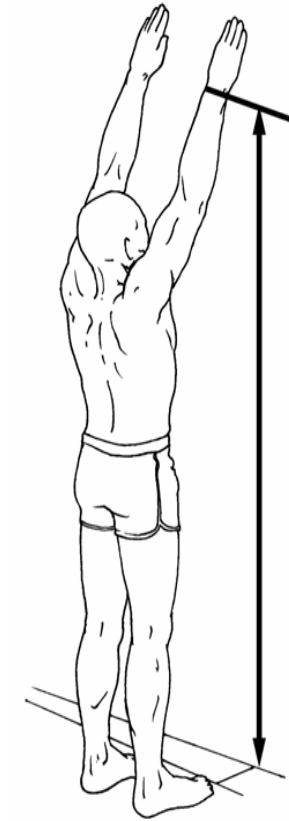
Vertical Thumbtip Reach, Sitting

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



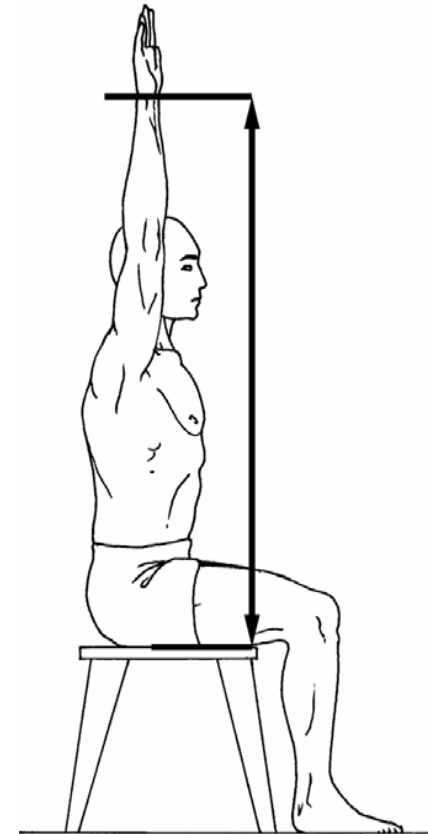
Vertical Wrist Height

FEMALE N = 2208			MALE N = 1774		
<u>Centimeters</u>		<u>Inches</u>	<u>Centimeters</u>		<u>Inches</u>
188.10	Mean	74.06	203.76	Mean	80.22
8.55	Std Dev	3.37	9.07	Std Dev	3.57
218.10	Maximum	85.87	244.80	Maximum	96.38
156.00	Minimum	61.42	163.80	Minimum	64.49
Percentiles			Percentiles		
168.38	1 st	66.29	182.72	1 st	71.94
170.93	2 nd	67.29	185.42	2 nd	73.00
172.46	3 rd	67.90	187.04	3 rd	73.64
174.46	5 th	68.68	189.17	5 th	74.47
177.42	10 th	69.85	192.33	10 th	75.72
179.39	15 th	70.62	194.44	15 th	76.55
180.94	20 th	71.24	196.11	20 th	77.21
182.29	25 th	71.77	197.57	25 th	77.78
183.51	30 th	72.25	198.89	30 th	78.30
184.64	35 th	72.69	200.12	35 th	78.79
185.74	40 th	73.12	201.30	40 th	79.25
186.80	45 th	73.54	202.45	45 th	79.71
187.87	50 th	73.96	203.61	50 th	80.16
188.95	55 th	74.39	204.77	55 th	80.62
190.06	60 th	74.82	205.96	60 th	81.09
191.21	65 th	75.28	207.19	65 th	81.57
192.44	70 th	75.76	208.51	70 th	82.09
193.79	75 th	76.29	209.93	75 th	82.65
195.30	80 th	76.89	211.52	80 th	83.28
197.07	85 th	77.58	213.35	85 th	84.00
199.30	90 th	78.46	215.62	90 th	84.89
202.55	95 th	79.75	218.81	95 th	86.15
204.59	97 th	80.55	220.72	97 th	86.90
206.03	98 th	81.12	222.00	98 th	87.40
208.16	99 th	81.95	223.76	99 th	88.09



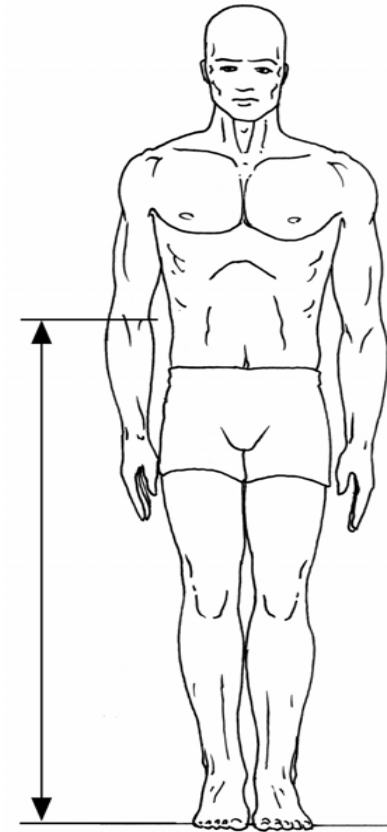
Vertical Wrist Height, Sitting

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



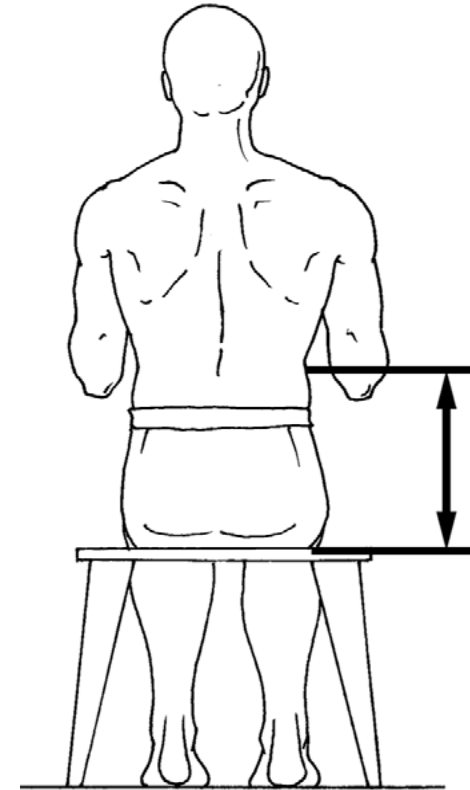
Waist Height (Natural Indentation)

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

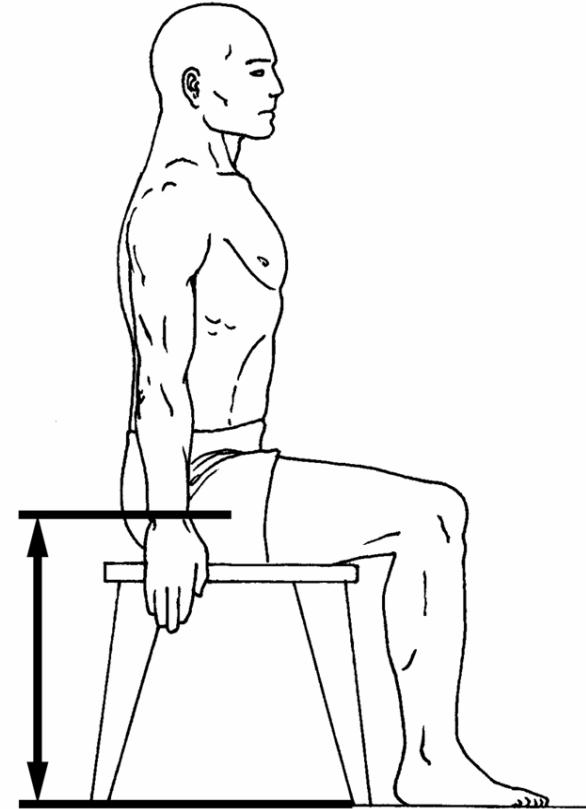
39.46	1 st	15.53
40.09	2 nd	15.78
40.57	3 rd	15.97
41.29	5 th	16.25
42.52	10 th	16.74
43.40	15 th	17.09
44.12	20 th	17.37
44.75	25 th	17.62
45.31	30 th	17.84
45.83	35 th	18.04
46.32	40 th	18.24
46.79	45 th	18.42
47.25	50 th	18.60
47.71	55 th	18.78
48.16	60 th	18.96
48.62	65 th	19.14
49.10	70 th	19.33
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

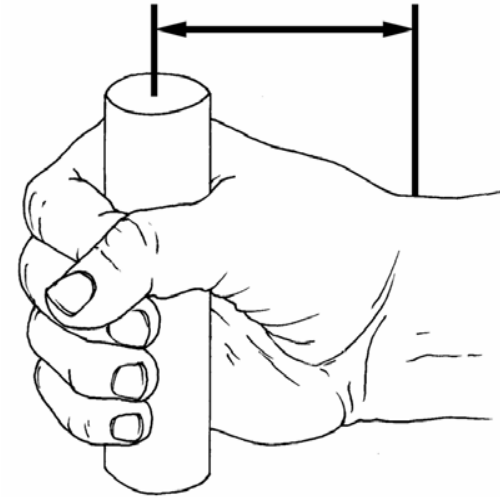
Percentiles

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



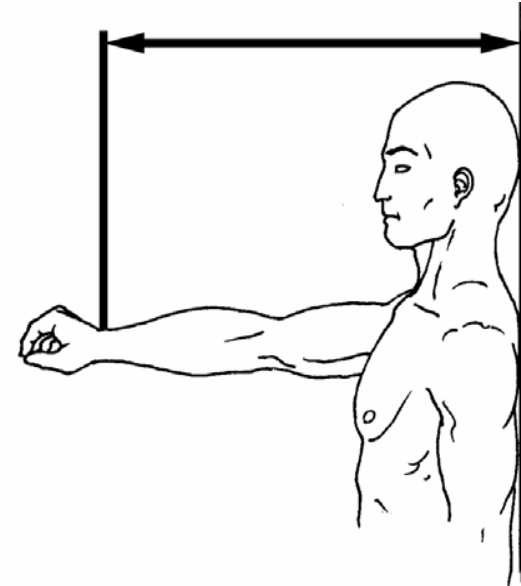
Wrist-Center Of Grip Length

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 N = 2208			MALE 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

