

Anthropometric Data for U.S. Adults (all dimensions in inches)



Dimension	Men				Women			
	5th %ile	50th %ile	95th %ile	SD	5th %ile	50th %ile	95th %ile	SD
1 Stature	64.88	69.09	73.62	2.70	60.04	64.02	68.50	2.53
2 Eye height	60.47	64.57	69.02	2.62	55.94	59.72	64.02	2.43
3 Shoulder height	52.72	56.65	60.87	2.49	48.90	52.44	56.46	2.29
4 Elbow height	39.53	42.64	45.94	1.97	36.69	39.45	42.68	1.79
5 Hip height	32.44	35.39	38.78	1.94	30.47	33.23	36.18	1.76
6 Knuckle height	26.50	28.78	30.51	1.39	24.88	27.01	28.50	1.27
7 Fingertip height	23.35	25.75	28.23	1.47	21.89	24.13	26.46	1.37
8 Sitting height	33.86	36.14	38.46	1.41	31.61	33.74	35.91	1.37
9 Sitting eye height	29.53	31.65	33.86	1.31	27.48	29.45	31.46	1.20
10 Sitting shoulder height	21.73	23.74	25.71	1.21	20.28	22.20	23.98	1.10
11 Sitting elbow height	7.76	9.69	11.46	1.13	7.44	9.17	10.87	1.03
12 Thigh clearance	6.18	7.09	8.15	0.61	5.71	6.57	7.52	0.55
13 Buttock-knee length	22.40	24.29	26.34	1.20	21.30	23.19	25.43	1.28
14 Buttock-popliteal length	18.07	19.76	21.57	1.08	17.36	19.02	21.06	1.13
15 Sitting knee height	20.04	21.77	23.70	1.10	18.46	20.08	21.93	1.07
16 Popliteal height	15.35	16.93	18.54	0.98	13.78	15.24	16.85	0.93
17 Shoulder breadth (bideltoid)	18.07	20.04	22.32	1.28	15.98	17.72	19.65	1.13
18 Shoulder breadth (biacromial)	15.12	16.34	17.60	0.75	13.19	14.37	15.59	0.72
19 Hip breadth	12.13	13.54	15.24	0.95	12.24	13.90	15.75	1.05
20 Chest (bust) depth	8.31	9.96	11.73	1.03	8.07	9.65	11.65	1.08
21 Abdominal depth	7.87	9.88	12.60	1.47	7.24	8.94	11.22	1.24
22 Shoulder-elbow length	13.15	14.29	15.51	0.72	12.09	13.15	14.29	0.68
23 Elbow-fingertip length	17.48	18.90	20.47	0.92	15.91	17.24	18.90	0.92
24 Upper limb length	28.50	30.94	33.58	1.53	26.10	28.35	30.91	1.47
25 Shoulder-grip length	25.75	27.99	30.43	1.43	23.51	25.59	28.07	1.39
26 Head length	7.40	7.87	8.31	0.28	7.01	7.48	7.95	0.29
27 Head breadth	5.75	6.06	6.42	0.22	5.51	5.79	6.14	0.20
28 Hand length	6.97	7.60	8.27	0.39	6.50	7.09	7.83	0.40
29 Hand breadth	3.19	3.46	3.78	0.17	2.83	3.07	3.35	0.15
30 Foot length	9.84	10.67	11.54	0.52	8.90	9.59	10.55	0.49
31 Foot breadth	3.70	4.02	4.37	0.21	3.35	3.66	3.98	0.19
32 Span	66.14	71.34	77.05	3.33	60.20	65.24	70.98	3.27
33 Elbow span	31.18	33.54	36.11	1.49	28.38	30.76	33.18	1.43
34 Vertical grip reach (standing)	77.68	84.21	91.90	3.87	71.34	77.32	84.21	4.11
35 Vertical grip reach (sitting)	46.93	51.26	55.75	2.46	43.03	47.05	51.14	2.67
36 Forward grip reach	27.05	29.76	32.72	1.72	24.53	27.20	30.12	1.68

References: References: Gordon, Claire C. et. al (2014). 2012 Anthropometric Survey of U.S. Army Personnel: Methods and Summary Statistics.

