

73. BODY MEASUREMENTS: MAN, NORTH AMERICAN

Part I: BIRTH TO CHILDHOOD

| Age | Weight kg | Length cm | Pelvic Breadth cm | Head Circumference cm | Chest Circumference cm | Abdominal Circumference cm |
|-----------|-----------------|--------------------|-------------------------|-----------------------------|------------------------------|----------------------------------|
| (A) | (B) | (C) | (D) | (E) | (F) | (G) |
| Females | | | | | | |
| 14 Birth | 3.4(2.8-3.9) | 50.2(47.8-51.9) | 7.7(7.2-8.5) | 34.7(33.4-36.0) | 32.9(30.8-35.0) | |
| 15 3 mo | 5.6(4.9-6.4) | 59.5(56.9-61.7) | 10.4(9.6-11.4) | 40.0(38.5-41.7) | 39.8(37.6-42.0) | 38.4(34.4-41.7) |
| 16 6 mo | 7.3(6.4-8.4) | 65.2(62.5-67.8) | 11.3(10.5-12.4) | 42.8(41.4-44.5) | 43.0(40.6-45.4) | 41.4(37.9-45.0) |
| 17 9 mo | 8.7(7.5-10.2) | 70.1(67.0-72.9) | 12.0(11.3-13.1) | 44.6(43.2-46.3) | 45.4(42.7-47.9) | 43.4(39.9-47.7) |
| 18 12 mo | 9.8(8.4-11.3) | 74.2(70.6-77.1) | 12.4(11.7-13.6) | 45.8(44.3-47.7) | 47.0(44.2-49.5) | 44.5(40.9-49.2) |
| 19 15 mo | 10.4(9.0-12.1) | 77.6(73.7-80.8) | 12.9(12.1-14.1) | 46.5(44.9-48.4) | 47.9(45.1-50.5) | 45.0(41.5-49.8) |
| 20 18 mo | 11.1(9.6-12.8) | 80.9(76.8-84.5) | 13.3(12.4-14.5) | 47.1(45.5-49.0) | 48.8(46.0-51.4) | 45.5(42.1-50.3) |
| 21 2 yr | 12.3(10.7-14.4) | 86.6(82.0-91.0) | 14.1(13.1-15.3) | 48.1(46.4-50.1) | 50.1(47.4-53.0) | 46.3(42.8-51.4) |
| 22 2.5 yr | 13.4(11.6-15.7) | 91.4(86.3-96.4) | 14.8(13.7-16.1) | 48.8(47.0-50.8) | 51.2(48.4-54.3) | 47.0(43.6-52.6) |
| 23 3 yr | 14.4(12.5-17.0) | 95.7(90.5-101.1) | 15.4(13.8-16.8) | 49.3(47.5-51.1) | 51.9(49.3-55.1) | 47.7(44.5-53.6) |
| 24 3.5 yr | 15.4(13.4-18.3) | 99.5(94.2-105.4) | 16.0(14.9-17.4) | | 52.5(50.1-55.8) | |
| 25 4 yr | 16.4(14.2-19.7) | 103.2(97.6-109.6) | 16.5(15.4-17.9) | | 53.1(50.7-56.5) | |
| 26 4.5 yr | 17.5(14.9-21.2) | 106.8(100.9-113.5) | 17.0(15.9-18.5) | | 53.7(51.3-57.3) | |

Contributor: Stuart, Harold C.

References: [1] Stuart, H. C., et al. Unpublished. Harvard Univ. School of Public Health, Dept. of Maternal and Child Health, Cambridge, 1952. [2] Vickers, V. S., and H. C. Stuart. 1943. J. Pediat. 22:155.

Part II: CHILDHOOD TO ADOLESCENCE

Values were derived from repeated determinations on white subjects, of predominantly Northwest European ancestry and from predominantly professional and managerial classes, living in or near Iowa City, Iowa. Values in parentheses are the 10th and 90th percentiles.

| Age yr | No. of Subjects | Weight kg | Height cm | Hip Width cm | Chest Circumference cm | Leg Girth cm |
|-----------|--------------------|-----------------|--------------------|--------------------|------------------------------|--------------------|
| (A) | (B) | (C) | (D) | (E) | (F) | (G) |
| Males | | | | | | |
| 1 5 | 235 | 19.4(16.6-22.5) | 111.3(105.3-116.7) | 18.3(17.0-19.6) | 54.5(51.6-57.5) | 22.6(21.0-24.6) |
| 2 6 | 218 | 21.9(18.6-25.6) | 117.5(111.2-123.5) | 19.1(17.7-20.5) | 56.1(53.2-59.5) | 23.6(21.8-25.7) |
| 3 7 | 169 | 24.5(20.8-29.2) | 124.1(116.9-130.5) | 19.9(18.5-21.4) | 57.8(54.9-61.6) | 24.6(22.6-26.9) |
| 4 8 | 142 | 27.3(23.2-33.1) | 130.0(123.1-137.3) | 20.7(19.2-22.3) | 59.8(56.7-64.1) | 25.7(23.6-28.2) |
| 5 9 | 120 | 29.9(25.5-36.7) | 135.5(128.3-142.6) | 21.4(19.9-23.0) | 61.8(58.4-66.7) | 26.8(24.5-29.5) |
| 6 10 | 117 | 32.6(27.7-40.8) | 140.3(132.8-147.5) | 22.0(20.4-23.9) | 63.9(60.1-69.4) | 27.7(25.3-30.7) |
| 7 11 | 101 | 35.2(30.1-45.0) | 144.2(137.3-151.8) | 22.6(21.1-24.8) | 65.9(61.7-71.9) | 28.5(26.0-32.0) |
| 8 12 | 95 | 38.3(32.7-49.7) | 149.6(142.4-157.9) | 23.5(21.9-25.8) | 67.8(63.3-74.2) | 29.5(26.8-33.5) |
| 9 13 | 100 | 42.2(35.0-55.9) | 155.0(146.6-165.3) | 24.6(22.7-27.2) | 70.3(65.0-77.4) | 30.8(27.8-34.8) |
| 10 14 | 118 | 48.8(39.7-62.1) | 162.7(152.1-172.4) | 25.8(23.6-28.3) | 74.5(67.6-81.4) | 32.3(29.1-35.8) |
| 11 15 | 144 | 54.5(45.1-67.0) | 167.8(157.8-176.7) | 26.7(24.6-29.1) | 78.0(71.1-84.8) | 33.4(30.4-36.6) |
| 12 16 | 137 | 58.8(50.3-71.4) | 171.6(162.8-179.7) | 27.4(25.6-29.6) | 80.7(74.4-87.8) | 34.2(31.3-37.3) |
| 13 17 | 117 | 61.8(53.3-74.7) | 173.7(165.5-181.6) | 27.8(26.1-29.9) | 82.5(76.4-89.7) | 34.6(31.7-37.8) |
| 14 18 | 86 | 63.1(54.4-76.7) | 174.5(166.3-182.4) | 28.0(26.5-30.1) | 83.4(77.5-90.7) | 34.9(31.9-38.1) |
| Females | | | | | | |
| 15 5 | 210 | 18.8(16.4-21.9) | 109.7(105.0-115.4) | 18.0(17.0-19.4) | 52.9(50.2-56.5) | 22.8(21.1-24.7) |
| 16 6 | 169 | 21.1(18.1-24.6) | 115.9(110.6-122.3) | 18.8(17.7-20.5) | 54.5(51.5-58.2) | 23.8(21.9-25.8) |
| 17 7 | 130 | 23.7(20.2-27.8) | 122.3(116.8-128.9) | 19.6(18.4-21.6) | 56.1(52.8-60.1) | 24.8(22.7-27.0) |
| 18 8 | 115 | 26.4(22.0-31.7) | 128.0(122.1-134.6) | 20.5(19.1-22.6) | 57.8(54.2-62.3) | 25.8(23.5-28.3) |
| 19 9 | 110 | 28.9(23.9-35.9) | 132.9(127.0-140.4) | 21.3(19.7-23.5) | 59.6(55.5-64.7) | 26.8(24.2-29.5) |
| 20 10 | 112 | 31.9(25.9-40.7) | 138.6(131.7-146.0) | 22.2(20.5-24.6) | 61.4(56.9-67.4) | 27.7(25.1-30.9) |
| 21 11 | 113 | 35.7(28.4-45.5) | 144.7(137.0-153.4) | 23.5(21.4-26.0) | 64.2(58.6-70.5) | 28.9(26.0-32.6) |
| 22 12 | 112 | 39.7(31.5-50.6) | 151.5(142.6-160.6) | 24.9(22.4-27.6) | 66.7(60.6-73.8) | 30.1(27.1-33.8) |

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