

How to Find BMI-for-Age for Children and Adolescents 5–18 Using Look-up Tables

Simple BMI can be used as an indicator of nutritional status in adults who have completed their physical development. However, for adolescents, who are still growing, BMI-for-age z-score is the preferred indicator of body thinness used to classify malnutrition because it considers age and sex.

BMI-for-age is recorded as a z-score, measured in standard deviations (SD). A z-score shows how many SD a person's BMI is away from the median BMI value of the reference population.

Materials needed

1. Body mass index (BMI) look-up tables
2. BMI-for-age look-up tables

Step 1. Find BMI using the *BMI look-up tables*.

- a. Round the client's height to the nearest cm. Then find the height in the left-hand (vertical) column in the tables.
- b. Round the client's weight to the nearest kg. Then find the weight in the bottom (horizontal) row.
- c. The BMI is the point where the two lines meet. Record the BMI.

Step 2. Determine BMI-for-age using the *BMI-for-age look-up tables*.

- a. Find the number closest to the child's age in the appropriate BMI-for-age table (girls or boys).
- b. Trace your finger across to find the range that contains the child's BMI that you found in step 1.
- c. Trace your finger up to see the nutritional classification of the child.

BMI Look-Up Table for Children and Adolescents 5–18 Years (85–125 cm tall)

Height (cm)	125	6.4	7.0	7.7	8.3	9.0	9.6	10.2	10.9	11.5	12.2	12.8	13.4	14.1	14.7	15.4	16.0	16.6	17.3	17.9	18.6	19.2	19.8	20.5	21.1	21.8	22.4	23.0	23.7	24.3	25.0	25.6	26.2	26.9	27.5	28.2	28.8	29.4	30.1
	124	6.5	7.2	7.8	8.5	9.1	9.8	10.4	11.1	11.7	12.4	13.0	13.7	14.3	15.0	15.6	16.3	16.9	17.6	18.2	18.9	19.5	20.2	20.8	21.5	22.1	22.8	23.4	24.1	24.7	25.4	26.0	26.7	27.3	28.0	28.6	29.3	29.9	30.6
123	6.6	7.3	7.9	8.6	9.3	9.9	10.6	11.2	11.9	12.6	13.2	13.9	14.5	15.2	15.9	16.5	17.2	17.8	18.5	19.2	19.8	20.5	21.2	21.8	22.5	23.1	23.8	24.5	25.1	25.8	26.4	27.1	27.8	28.4	29.1	29.7	30.4	31.1	
122	6.7	7.4	8.1	8.7	9.4	10.1	10.7	11.4	12.1	12.8	13.4	14.1	14.8	15.5	16.1	16.8	17.5	18.1	18.8	19.5	20.2	20.8	21.5	22.2	22.8	23.5	24.2	24.9	25.5	26.2	26.9	27.5	28.2	28.9	29.6	30.2	30.9	31.6	
121	6.8	7.5	8.2	8.9	9.6	10.2	10.9	11.6	12.3	13.0	13.7	14.3	15.0	15.7	16.4	17.1	17.8	18.4	19.1	19.8	20.5	21.2	21.9	22.5	23.2	23.9	24.6	25.3	26.0	26.6	27.3	28.0	28.7	29.4	30.1	30.7	31.4	32.1	
120	6.9	7.6	8.3	9.0	9.7	10.4	11.1	11.8	12.5	13.2	13.9	14.6	15.3	16.0	16.7	17.4	18.1	18.8	19.4	20.1	20.8	21.5	22.2	22.9	23.6	24.3	25.0	25.7	26.4	27.1	27.8	28.5	29.2	29.9	30.6	31.3	31.9	32.6	
119	7.1	7.8	8.5	9.2	9.9	10.6	11.3	12.0	12.7	13.4	14.1	14.8	15.5	16.2	16.9	17.7	18.4	19.1	19.8	20.5	21.2	21.9	22.6	23.3	24.0	24.7	25.4	26.1	26.8	27.5	28.2	29.0	29.7	30.4	31.1	31.8	32.5	33.2	
118	7.2	7.9	8.6	9.3	10.1	10.8	11.5	12.2	12.9	13.6	14.4	15.1	15.8	16.5	17.2	18.0	18.7	19.4	20.1	20.8	21.5	22.3	23.0	23.7	24.4	25.1	25.9	26.6	27.3	28.0	28.7	29.4	30.2	30.9	31.6	32.3	33.0	33.8	
117	7.3	8.0	8.8	9.5	10.2	11.0	11.7	12.4	13.1	13.9	14.6	15.3	16.1	16.8	17.5	18.3	19.0	19.7	20.5	21.2	21.9	22.6	23.4	24.1	24.8	25.6	26.3	27.0	27.8	28.5	29.2	30.0	30.7	31.4	32.1	32.9	33.6	34.3	
116	7.4	8.2	8.9	9.7	10.4	11.1	11.9	12.6	13.4	14.1	14.9	15.6	16.3	17.1	17.8	18.6	19.3	20.1	20.8	21.6	22.3	23.0	23.8	24.5	25.3	26.0	26.8	27.5	28.2	29.0	29.7	30.5	31.2	32.0	32.7	33.4	34.2	34.9	
115	7.6	8.3	9.1	9.8	10.6	11.3	12.1	12.9	13.6	14.4	15.1	15.9	16.6	17.4	18.1	18.9	19.7	20.4	21.2	21.9	22.7	23.4	24.2	25.0	25.7	26.5	27.2	28.0	28.7	29.5	30.2	31.0	31.8	32.5	33.3	34.0	34.8	35.5	
114	7.7	8.5	9.2	10.0	10.8	11.5	12.3	13.1	13.9	14.6	15.4	16.2	16.9	17.7	18.5	19.2	20.0	20.8	21.5	22.3	23.1	23.9	24.6	25.4	26.2	26.9	27.7	28.5	29.2	30.0	30.8	31.5	32.3	33.1	33.9	34.6	35.4	36.2	
113	7.8	8.6	9.4	10.2	11.0	11.7	12.5	13.3	14.1	14.9	15.7	16.4	17.2	18.0	18.8	19.6	20.4	21.1	21.9	22.7	23.5	24.3	25.1	25.8	26.6	27.4	28.2	29.0	29.8	30.5	31.3	32.1	32.9	33.7	34.5	35.2	36.0	36.8	
112	8.0	8.8	9.6	10.4	11.2	12.0	12.8	13.6	14.3	15.1	15.9	16.7	17.5	18.3	19.1	19.9	20.7	21.5	22.3	23.1	23.9	24.7	25.5	26.3	27.1	27.9	28.7	29.5	30.3	31.1	31.9	32.7	33.5	34.3	35.1	35.9	36.7	37.5	
111	8.1	8.9	9.7	10.6	11.4	12.2	13.0	13.8	14.6	15.4	16.2	17.0	17.9	18.7	19.5	20.3	21.1	21.9	22.7	23.5	24.3	25.2	26.0	26.8	27.6	28.4	29.2	30.0	30.8	31.7	32.5	33.3	34.1	34.9	35.7	36.5	37.3	38.1	
110	8.3	9.1	9.9	10.7	11.6	12.4	13.2	14.0	14.9	15.7	16.5	17.4	18.2	19.0	19.8	20.7	21.5	22.3	23.1	24.0	24.8	25.6	26.4	27.3	28.1	28.9	29.8	30.6	31.4	32.2	33.1	33.9	34.7	35.5	36.4	37.2	38.0	38.8	
109	8.4	9.3	10.1	10.9	11.8	12.6	13.5	14.3	15.2	16.0	16.8	17.7	18.5	19.4	20.2	21.0	21.9	22.7	23.6	24.4	25.3	26.1	26.9	27.8	28.6	29.5	30.3	31.1	32.0	32.8	33.7	34.5	35.4	36.2	37.0	37.9	38.7	39.6	
108	8.6	9.4	10.3	11.1	12.0	12.9	13.7	14.6	15.4	16.3	17.1	18.0	18.9	19.7	20.6	21.4	22.3	23.1	24.0	24.9	25.7	26.6	27.4	28.3	29.1	30.0	30.9	31.7	32.6	33.4	34.3	35.2	36.0	36.9	37.7	38.6	39.4	40.3	
107	8.7	9.6	10.5	11.4	12.2	13.1	14.0	14.8	15.7	16.6	17.5	18.3	19.2	20.1	21.0	21.8	22.7	23.6	24.5	25.3	26.2	27.1	28.0	28.8	29.7	30.6	31.4	32.3	33.2	34.1	34.9	35.8	36.7	37.6	38.4	39.3	40.2	41.1	
106	8.9	9.8	10.7	11.6	12.5	13.3	14.2	15.1	16.0	16.9	17.8	18.7	19.6	20.5	21.4	22.2	23.1	24.0	24.9	25.8	26.7	27.6	28.5	29.4	30.3	31.1	32.0	32.9	33.8	34.7	35.6	36.5	37.4	38.3	39.2	40.0	40.9	41.8	
105	9.1	10.0	10.9	11.8	12.7	13.6	14.5	15.4	16.3	17.2	18.1	19.0	20.0	20.9	21.8	22.7	23.6	24.5	25.4	26.3	27.2	28.1	29.0	29.9	30.8	31.7	32.7	33.6	34.5	35.4	36.3	37.2	38.1	39.0	39.9	40.8	41.7	42.6	
104	9.2	10.2	11.1	12.0	12.9	13.9	14.8	15.7	16.6	17.6	18.5	19.4	20.3	21.3	22.2	23.1	24.0	25.0	25.9	26.8	27.7	28.7	29.6	30.5	31.4	32.4	33.3	34.2	35.1	36.1	37.0	37.9	38.8	39.8	40.7	41.6	42.5	43.5	
103	9.4	10.4	11.3	12.3	13.2	14.1	15.1	16.0	17.0	17.9	18.9	19.8	20.7	21.7	22.6	23.6	24.5	25.5	26.4	27.3	28.3	29.2	30.2	31.1	32.0	33.0	33.9	34.9	35.8	36.8	37.7	38.6	39.6	40.5	41.5	42.4	43.4	44.3	
102	9.6	10.6	11.5	12.5	13.5	14.4	15.4	16.3	17.3	18.3	19.2	20.2	21.1	22.1	23.1	24.0	25.0	26.0	26.9	27.9	28.8	29.8	30.8	31.7	32.7	33.6	34.6	35.6	36.5	37.5	38.4	39.4	40.4	41.3	42.3	43.3	44.2	45.2	
101	9.8	10.8	11.8	12.7	13.7	14.7	15.7	16.7	17.6	18.6	19.6	20.6	21.6	22.5	23.5	24.5	25.5	26.5	27.5	28.4	29.4	30.4	31.4	32.3	33.3	34.3	35.3	36.3	37.3	38.2	39.2	40.2	41.2	42.2	43.1	44.1	45.1	46.1	
100	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	
99	10.2	11.2	12.2	13.3	14.3	15.3	16.3	17.3	18.4	19.4	20.4	21.4	22.4	23.5	24.5	25.5	26.5	27.5	28.6	29.6	30.6	31.6	32.6	33.7	34.7	35.7	36.7	37.8	38.8	39.8	40.8	41.8	42.9	43.9	44.9	45.9	46.9	48.0	
98	10.4	11.5	12.5	13.5	14.6	15.6	16.7	17.7	18.7	19.8	20.8	21.9	22.9	23.9	25.0	26.0	27.1	28.1	29.2	30.2	31.2	32.3	33.3	34.4	35.4	36.4	37.5	38.5	39.6	40.6	41.6	42.7	43.7	44.8	45.8	46.9	47.9	48.9	
97	10.6	11.7	12.8	13.8	14.9	15.9	17.0	18.1	19.1	20.2	21.3	22.3	23.4	24.4	25.5	26.6	27.6	28.7	29.8	30.8	31.9	32.9	34.0	35.1	36.1	37.2	38.3	39.3	40.4	41.4	42.5	43.6	44.6	45.7	46.8	47.8	48.9	50.0	
96	10.9	11.9	13.0	14.1	15.2	16.3	17.4	18.4	19.5	20.6	21.7	22.8	23.9	25.0	26.0	27.1	28.2	29.3	30.4	31.5	32.6	33.6	34.7	35.8	36.9	38.0	39.1	40.1	41.2	42.3	43.4	44.5	45.6	46.7	47.7	48.8	49.9	51.0	
95	11.1	12.2	13.3	14.4	15.5	16.6	17.7	18.8	19.9	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9	31.0	32.1	33.2	34.3	35.5	36.6	37.7	38.8	39.9	41.0	42.1	43.2	44.3	45.4	46.5	47.6	48.8	49.9	51.0	52.1	
94	11.3	12.4	13.6	14.7	15.8	17.0	18.1	19.2	20.4	21.5	22.6	23.8	24.9	26.0	27.2	28.3	29.4	30.6	31.7	32.8	34.0	35.1	36.2	37.3	38.5	39.6	40.7	41.9	43.0	44.1	45.3	46.4	47.5	48.7	49.8	50.9	52.1	53.2	
93	11.6	12.7	13.9	15.0	16.2	17.3	18.5	19.7	20.8	22.0	23.1	24.3	25.4	26.6	27.7	28.9	30.1	31.2	32.4	33.5	34.7	35.8	37.0	38.2	39.3	40.5	41.6	42.8	43.9	45.1	46.2	47.4	48.6	49.7	50.9	52.0	53.2	54.3	
92	11.8	13.0	14.2	15.4	16.5	17.7	18.9	20.1	21.3	22.4	23.6	24.8	26.0	27.2	28.4	29.5	30.7	31.9	33.1	34.3	35.4	36.6	37.8	39.0	40.2	41.4	42.5	43.7	44.9	46.1	47.3	48.4	49.6	50.8	52.0	53.2	54.3	55.5	
91	12.1	13.3	14.5	15.7	16.9	18.1	19.3	20.5	21.7	22.9	24.2	25.4	26.6	27.8	29.0	30.2	31.4	32.6	33.8	35.0	36.2	37.4	38.6	39.9	41.1	42.3	43.5	44.7	45.9	47.									

BMI Look-Up Table for Children and Adolescents 5–18 Years (126–167 cm tall)

167	9.0	9.3	9.7	10.0	10.4	10.8	11.1	11.5	11.8	12.2	12.5	12.9	13.3	13.6	14.0	14.3	14.7	15.1	15.4	15.8	16.1	16.5	16.9	17.2	17.6	17.9	18.3	18.6	19.0	19.4	19.7	20.1	20.4	20.8	21.2	21.5	21.9	22.2	22.6	22.9	23.3	23.7	24.0	24.4	24.7
166	9.1	9.4	9.8	10.2	10.5	10.9	11.2	11.6	12.0	12.3	12.7	13.1	13.4	13.8	14.2	14.5	14.9	15.2	15.6	16.0	16.3	16.7	17.1	17.4	17.8	18.1	18.5	18.9	19.2	19.6	20.0	20.3	20.7	21.0	21.4	21.8	22.1	22.5	22.9	23.2	23.6	24.0	24.3	24.7	25.0
165	9.2	9.6	9.9	10.3	10.7	11.0	11.4	11.8	12.1	12.5	12.9	13.2	13.6	14.0	14.3	14.7	15.1	15.4	15.8	16.2	16.5	16.9	17.3	17.6	18.0	18.4	18.7	19.1	19.5	19.8	20.2	20.6	20.9	21.3	21.7	22.0	22.4	22.8	23.1	23.5	23.9	24.2	24.6	25.0	25.3
164	9.3	9.7	10.0	10.4	10.8	11.2	11.5	11.9	12.3	12.6	13.0	13.4	13.8	14.1	14.5	14.9	15.2	15.6	16.0	16.4	16.7	17.1	17.5	17.8	18.2	18.6	19.0	19.3	19.7	20.1	20.4	20.8	21.2	21.6	21.9	22.3	22.7	23.1	23.4	23.8	24.2	24.5	24.9	25.3	25.7
163	9.4	9.8	10.2	10.5	10.9	11.3	11.7	12.0	12.4	12.8	13.2	13.5	13.9	14.3	14.7	15.1	15.4	15.8	16.2	16.6	16.9	17.3	17.7	18.1	18.4	18.8	19.2	19.6	19.9	20.3	20.7	21.1	21.5	21.8	22.2	22.6	23.0	23.3	23.7	24.1	24.5	24.8	25.2	25.6	26.0
162	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.2	12.6	13.0	13.3	13.7	14.1	14.5	14.9	15.2	15.6	16.0	16.4	16.8	17.1	17.5	17.9	18.3	18.7	19.1	19.4	19.8	20.2	20.6	21.0	21.3	21.7	22.1	22.5	22.9	23.2	23.6	24.0	24.4	24.8	25.1	25.5	25.9	26.3
161	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.3	12.7	13.1	13.5	13.9	14.3	14.7	15.0	15.4	15.8	16.2	16.6	17.0	17.4	17.7	18.1	18.5	18.9	19.3	19.7	20.1	20.4	20.8	21.2	21.6	22.0	22.4	22.8	23.1	23.5	23.9	24.3	24.7	25.1	25.5	25.8	26.2	26.6
160	9.8	10.2	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.6	18.0	18.4	18.8	19.1	19.5	19.9	20.3	20.7	21.1	21.5	21.9	22.3	22.7	23.0	23.4	23.8	24.2	24.6	25.0	25.4	25.8	26.2	26.6	27.0
159	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.4	13.8	14.2	14.6	15.0	15.4	15.8	16.2	16.6	17.0	17.4	17.8	18.2	18.6	19.0	19.4	19.8	20.2	20.6	21.0	21.4	21.8	22.2	22.5	22.9	23.3	23.7	24.1	24.5	24.9	25.3	25.7	26.1	26.5	26.9	27.3
158	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.8	13.2	13.6	14.0	14.4	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.6	18.0	18.4	18.8	19.2	19.6	20.0	20.4	20.8	21.2	21.6	22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.0	26.4	26.8	27.2	27.6
157	10.1	10.5	11.0	11.4	11.8	12.2	12.6	13.0	13.4	13.8	14.2	14.6	15.0	15.4	15.8	16.2	16.6	17.0	17.4	17.9	18.3	18.7	19.1	19.5	19.9	20.3	20.7	21.1	21.5	21.9	22.3	22.7	23.1	23.5	23.9	24.3	24.7	25.2	25.6	26.0	26.4	26.8	27.2	27.6	28.0
156	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.6	14.0	14.4	14.8	15.2	15.6	16.0	16.4	16.8	17.3	17.7	18.1	18.5	18.9	19.3	19.7	20.1	20.5	21.0	21.4	21.8	22.2	22.6	23.0	23.4	23.8	24.2	24.7	25.1	25.5	25.9	26.3	26.7	27.1	27.5	27.9	28.4
155	10.4	10.8	11.2	11.7	12.1	12.5	12.9	13.3	13.7	14.2	14.6	15.0	15.4	15.8	16.2	16.6	17.1	17.5	17.9	18.3	18.7	19.1	19.6	20.0	20.4	20.8	21.2	21.6	22.1	22.5	22.9	23.3	23.7	24.1	24.6	25.0	25.4	25.8	26.2	26.6	27.1	27.5	27.9	28.3	28.7
154	10.5	11.0	11.4	11.8	12.2	12.6	13.1	13.5	13.9	14.3	14.8	15.2	15.6	16.0	16.4	16.9	17.3	17.7	18.1	18.6	19.0	19.4	19.8	20.2	20.7	21.1	21.5	21.9	22.3	22.8	23.2	23.6	24.0	24.5	24.9	25.3	25.7	26.1	26.6	27.0	27.4	27.8	28.3	28.7	29.1
153	10.7	11.1	11.5	12.0	12.4	12.8	13.2	13.7	14.1	14.5	15.0	15.4	15.8	16.2	16.7	17.1	17.5	17.9	18.4	18.8	19.2	19.7	20.1	20.5	20.9	21.4	21.8	22.2	22.6	23.1	23.5	23.9	24.3	24.8	25.2	25.6	26.1	26.5	26.9	27.3	27.8	28.2	28.6	29.0	29.5
152	10.8	11.3	11.7	12.1	12.6	13.0	13.4	13.9	14.3	14.7	15.1	15.6	16.0	16.4	16.9	17.3	17.7	18.2	18.6	19.0	19.5	19.9	20.3	20.8	21.2	21.6	22.1	22.5	22.9	23.4	23.8	24.2	24.7	25.1	25.5	26.0	26.4	26.8	27.3	27.7	28.1	28.6	29.0	29.4	29.9
151	11.0	11.4	11.8	12.3	12.7	13.2	13.6	14.0	14.5	14.9	15.4	15.8	16.2	16.7	17.1	17.5	18.0	18.4	18.9	19.3	19.7	20.2	20.6	21.1	21.5	21.9	22.4	22.8	23.2	23.7	24.1	24.6	25.0	25.4	25.9	26.3	26.8	27.2	27.6	28.1	28.5	28.9	29.4	29.8	30.3
150	11.1	11.6	12.0	12.4	12.9	13.3	13.8	14.2	14.7	15.1	15.6	16.0	16.4	16.9	17.3	17.8	18.2	18.7	19.1	19.6	20.0	20.4	20.9	21.3	21.8	22.2	22.7	23.1	23.6	24.0	24.4	24.9	25.3	25.8	26.2	26.7	27.1	27.6	28.0	28.4	28.9	29.3	29.8	30.2	30.7
149	11.3	11.7	12.2	12.6	13.1	13.5	14.0	14.4	14.9	15.3	15.8	16.2	16.7	17.1	17.6	18.0	18.5	18.9	19.4	19.8	20.3	20.7	21.2	21.6	22.1	22.5	23.0	23.4	23.9	24.3	24.8	25.2	25.7	26.1	26.6	27.0	27.5	27.9	28.4	28.8	29.3	29.7	30.2	30.6	31.1
148	11.4	11.9	12.3	12.8	13.2	13.7	14.2	14.6	15.1	15.5	16.0	16.4	16.9	17.3	17.8	18.3	18.7	19.2	19.6	20.1	20.5	21.0	21.5	21.9	22.4	22.8	23.3	23.7	24.2	24.7	25.1	25.6	26.0	26.5	26.9	27.4	27.8	28.3	28.8	29.2	29.7	30.1	30.6	31.0	31.5
147	11.6	12.0	12.5	13.0	13.4	13.9	14.3	14.8	15.3	15.7	16.2	16.7	17.1	17.6	18.0	18.5	19.0	19.4	19.9	20.4	20.8	21.3	21.8	22.2	22.7	23.1	23.6	24.1	24.5	25.0	25.5	25.9	26.4	26.8	27.3	27.8	28.2	28.7	29.2	29.6	30.1	30.5	31.0	31.5	31.9
146	11.7	12.2	12.7	13.1	13.6	14.1	14.5	15.0	15.5	16.0	16.4	16.9	17.4	17.8	18.3	18.8	19.2	19.7	20.2	20.6	21.1	21.6	22.0	22.5	23.0	23.5	23.9	24.4	24.9	25.3	25.8	26.3	26.7	27.2	27.7	28.1	28.6	29.1	29.6	30.0	30.5	31.0	31.4	31.9	32.4
145	11.9	12.4	12.8	13.3	13.8	14.3	14.7	15.2	15.7	16.2	16.6	17.1	17.6	18.1	18.5	19.0	19.5	20.0	20.5	20.9	21.4	21.9	22.4	22.8	23.3	23.8	24.3	24.7	25.2	25.7	26.2	26.6	27.1	27.6	28.1	28.5	29.0	29.5	30.0	30.4	30.9	31.4	31.9	32.3	32.8
144	12.1	12.5	13.0	13.5	14.0	14.5	14.9	15.4	15.9	16.4	16.9	17.4	17.8	18.3	18.8	19.3	19.8	20.3	20.7	21.2	21.7	22.2	22.7	23.1	23.6	24.1	24.6	25.1	25.6	26.0	26.5	27.0	27.5	28.0	28.5	28.9	29.4	29.9	30.4	30.9	31.3	31.8	32.3	32.8	33.3
143	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	
142	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2
141	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7
140	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.7	35.2
139	12.9	13.5	14.0	14.5	15.0	15.5	16.0	16.6	17.1	17.6	18.1	18.6	19.2	19.7	20.2	20.7	21.2	21.7	22.3	22.8	23.3	23.8	24.3	24.8	25.4	25.9	26.4	26.9	27.4	27.9	28.5	29.0	29.5	30.0	30.5	31.1	31.6	32.1	32.6	33.1	33.6	34.2	34.7	35.2	35.7
138	13.1	13.7	14.2	14.7	15.2	15.8	16.3	16.8	17.3	17.9	18.4	18.9	19.4	20.0	20.5	21.0	21.5	22.1	22.6	23.1																									

BMI Look-Up Table for Children and Adolescents 5–18 Years (167–200 cm tall)

200	11.3	11.5	11.8	12.0	12.3	12.5	12.8	13.0	13.3	13.5	13.8	14.0	14.3	14.5	14.8	15.0	15.3	15.5	15.8	16.0	16.3	16.5	16.8	17.0	17.3	17.5	17.8	18.0	18.3	18.5	18.8	19.0	19.3	19.5	19.8	20.0	20.3	20.5	20.8	21.0	21.3	21.5	21.8	22.0	22.3	22.5	22.8	23.0	23.3	23.5	23.8	24.0	
199	11.4	11.6	11.9	12.1	12.4	12.6	12.9	13.1	13.4	13.6	13.9	14.1	14.4	14.6	14.9	15.2	15.4	15.7	15.9	16.2	16.4	16.7	16.9	17.2	17.4	17.7	17.9	18.2	18.4	18.7	18.9	19.2	19.4	19.7	19.9	20.2	20.5	20.7	21.0	21.2	21.5	21.7	22.0	22.2	22.5	22.7	23.0	23.2	23.5	23.7	24.0	24.2	
198	11.5	11.7	12.0	12.2	12.5	12.8	13.0	13.3	13.5	13.8	14.0	14.3	14.5	14.8	15.0	15.3	15.6	15.8	16.1	16.3	16.6	16.8	17.1	17.3	17.6	17.9	18.1	18.4	18.6	18.9	19.1	19.4	19.6	19.9	20.2	20.4	20.7	20.9	21.2	21.4	21.7	21.9	22.2	22.4	22.7	23.0	23.2	23.5	23.7	24.0	24.2	24.5	
197	11.6	11.9	12.1	12.4	12.6	12.9	13.1	13.4	13.7	13.9	14.2	14.4	14.7	14.9	15.2	15.5	15.7	16.0	16.2	16.5	16.7	17.0	17.3	17.5	17.8	18.0	18.3	18.6	18.8	19.1	19.3	19.6	19.8	20.1	20.4	20.6	20.9	21.1	21.4	21.6	21.9	22.2	22.4	22.7	22.9	23.2	23.4	23.7	24.0	24.2	24.5	24.7	
196	11.7	12.0	12.2	12.5	12.8	13.0	13.3	13.5	13.8	14.1	14.3	14.6	14.8	15.1	15.4	15.6	15.9	16.1	16.4	16.7	16.9	17.2	17.4	17.7	18.0	18.2	18.5	18.7	19.0	19.3	19.5	19.8	20.0	20.3	20.6	20.8	21.1	21.3	21.6	21.9	22.1	22.4	22.6	22.9	23.2	23.4	23.7	23.9	24.2	24.5	24.7	25.0	
195	11.8	12.1	12.4	12.6	12.9	13.1	13.4	13.7	13.9	14.2	14.5	14.7	15.0	15.3	15.5	15.8	16.0	16.3	16.6	16.8	17.1	17.4	17.6	17.9	18.1	18.4	18.7	18.9	19.2	19.5	19.7	20.0	20.2	20.5	20.8	21.0	21.3	21.6	21.8	22.1	22.4	22.6	22.9	23.1	23.4	23.7	23.9	24.2	24.5	24.7	25.0	25.2	
194	12.0	12.2	12.5	12.8	13.0	13.3	13.6	13.8	14.1	14.3	14.6	14.9	15.1	15.4	15.7	15.9	16.2	16.5	16.7	17.0	17.3	17.5	17.8	18.1	18.3	18.6	18.9	19.1	19.4	19.7	19.9	20.2	20.5	20.7	21.0	21.3	21.5	21.8	22.1	22.3	22.6	22.9	23.1	23.4	23.6	23.9	24.2	24.4	24.7	25.0	25.2	25.5	
193	12.1	12.3	12.6	12.9	13.2	13.4	13.7	14.0	14.2	14.5	14.8	15.0	15.3	15.6	15.8	16.1	16.4	16.6	16.9	17.2	17.5	17.7	18.0	18.3	18.5	18.8	19.1	19.3	19.6	19.9	20.1	20.4	20.7	20.9	21.2	21.5	21.7	22.0	22.3	22.6	22.8	23.1	23.4	23.6	23.9	24.2	24.4	24.7	25.0	25.2	25.5	25.8	
192	12.2	12.5	12.7	13.0	13.3	13.6	13.8	14.1	14.4	14.6	14.9	15.2	15.5	15.7	16.0	16.3	16.5	16.8	17.1	17.4	17.6	17.9	18.2	18.4	18.7	19.0	19.3	19.5	19.8	20.1	20.3	20.6	20.9	21.2	21.4	21.7	22.0	22.2	22.5	22.8	23.1	23.3	23.6	23.9	24.1	24.4	24.7	24.9	25.2	25.5	25.8	26.0	26.3
191	12.3	12.6	12.9	13.2	13.4	13.7	14.0	14.3	14.5	14.8	15.1	15.4	15.6	15.9	16.2	16.4	16.7	17.0	17.3	17.5	17.8	18.1	18.4	18.6	18.9	19.2	19.5	19.7	20.0	20.3	20.6	20.8	21.1	21.4	21.7	21.9	22.2	22.5	22.8	23.0	23.3	23.6	23.8	24.1	24.4	24.7	24.9	25.2	25.5	25.8	26.0	26.3	
190	12.5	12.7	13.0	13.3	13.6	13.9	14.1	14.4	14.7	15.0	15.2	15.5	15.8	16.1	16.3	16.6	16.9	17.2	17.5	17.7	18.0	18.3	18.6	18.8	19.1	19.4	19.7	19.9	20.2	20.5	20.8	21.1	21.3	21.6	21.9	22.2	22.4	22.7	23.0	23.3	23.5	23.8	24.1	24.4	24.7	24.9	25.2	25.5	25.8	26.0	26.3	26.6	
189	12.6	12.9	13.2	13.4	13.7	14.0	14.3	14.6	14.8	15.1	15.4	15.7	16.0	16.2	16.5	16.8	17.1	17.4	17.6	17.9	18.2	18.5	18.8	19.0	19.3	19.6	19.9	20.2	20.4	20.7	21.0	21.3	21.6	21.8	22.1	22.4	22.7	23.0	23.2	23.5	23.8	24.1	24.4	24.6	24.9	25.2	25.5	25.8	26.0	26.3	26.6	26.9	
188	12.7	13.0	13.3	13.6	13.9	14.1	14.4	14.7	15.0	15.3	15.6	15.8	16.1	16.4	16.7	17.0	17.3	17.5	17.8	18.1	18.4	18.7	19.0	19.2	19.5	19.8	20.1	20.4	20.7	20.9	21.2	21.5	21.8	22.1	22.4	22.6	22.9	23.2	23.5	23.8	24.0	24.3	24.6	24.9	25.2	25.5	25.7	26.0	26.3	26.6	26.9	27.2	
187	12.9	13.2	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.4	19.7	20.0	20.3	20.6	20.9	21.2	21.4	21.7	22.0	22.3	22.6	22.9	23.2	23.4	23.7	24.0	24.3	24.6	24.9	25.2	25.5	25.7	26.0	26.3	26.6	26.9	27.2	27.5	
186	13.0	13.3	13.6	13.9	14.2	14.5	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.3	22.5	22.8	23.1	23.4	23.7	24.0	24.3	24.6	24.9	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5	27.7	
185	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.5	15.8	16.1	16.4	16.7	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.2	20.5	20.7	21.0	21.3	21.6	21.9	22.2	22.5	22.8	23.1	23.4	23.7	24.0	24.3	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5	27.8	28.0	
184	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.3	21.6	21.9	22.2	22.4	22.7	23.0	23.3	23.6	23.9	24.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5	27.8	28.1	28.4	
183	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.6	20.9	21.2	21.5	21.8	22.1	22.4	22.7	23.0	23.3	23.6	23.9	24.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5	27.8	28.1	28.4	28.7	
182	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.3	22.6	22.9	23.2	23.5	23.8	24.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5	27.8	28.1	28.4	28.7	29.0	
181	13.7	14.0	14.3	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.5	20.8	21.1	21.4	21.7	22.0	22.3	22.6	22.9	23.2	23.5	23.8	24.1	24.4	24.7	25.0	25.3	25.6	25.9	26.3	26.6	26.9	27.2	27.5	27.8	28.1	28.4	28.7	29.0	29.3	
180	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.8	20.1	20.4	20.7	21.0	21.3	21.6	21.9	22.2	22.5	22.8	23.1	23.5	23.8	24.1	24.4	24.7	25.0	25.3	25.6	25.9	26.2	26.5	26.9	27.2	27.5	27.8	28.1	28.4	28.7	29.0	29.3	29.6	
179	14.0	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.4	19.7	20.0	20.3	20.6	20.9	21.2	21.5	21.8	22.2	22.5	22.8	23.1	23.4	23.7	24.0	24.3	24.7	25.0	25.3	25.6	25.9	26.2	26.5	26.8	27.2	27.5	27.8	28.1	28.4	28.7	29.0	29.3	29.6	30.0	
178	14.2	14.5	14.8	15.1	15.5	15.8	16.1	16.4	16.7	17.0	17.4	17.7	18.0	18.3	18.6	18.9	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.5	21.8	22.1	22.4	22.7	23.0	23.4	23.7	24.0	24.3	24.6	24.9	25.2	25.6	25.9	26.2	26.5	26.8	27.1	27.5	27.8	28.1	28.4	28.7	29.0	29.4	29.7	30.0	30.3	
177	14.4	14.7	15.0	15.3	15.6	16.0	16.3	16.6	16.9	17.2	17.6	17.9	18.2	18.5	18.8	19.2	19.5	19.8	20.1	20.4	20.7	21.1	21.4	21.7	22.0	22.3	22.7	23.0	23.3	23.6	23.9	24.3	24.6	24.9	25.2	25.5	25.9	26.2	26.5	26.8	27.1	27.4	27.8	28.1	28.4	28.7	29.0	29.4	29.7	30.0	30.3	30.6	
176	14.5	14.9	15.2	15.5	15.8	16.1	16.5	16.8	17.1	17.4	17.8	18.1	18.4	18.7	19.0	19.4	19.7	20.0	20.3	20.7	21.0	21.3	21.6	22.0	22.3	22.6	22.9	23.2	23.6	23.9	24.2	24.5	24.9	25.2	25.5	25.8	26.1	26.5	26.8	27.1	27.4	27.8	28.1	28.4	28.7	29.1	29.4	29.7	30.0	30.3	30.7	31.0	
175	14.7	15.0	15.3	15.7	16.0	16.3	16.7	17.0	17.3	17.6	18.0	18.3	18.6	18.9	19.3</																																						

BMI-for-Age Table, GIRLS 5–18 Years (WHO 2007)

Age (years:months)	Severe malnutrition < -3 SD (BMI)	Moderate malnutrition ≥ -3 to < -2 SD (BMI)	Normal ≥ -2 to ≤ +1 SD (BMI)	Overweight > +1 to ≤ +2 SD (BMI)	Obese > +2 SD (BMI)
5:1	less than 11.8	11.8–12.6	12.7–16.9	17.0–18.9	19.0 or higher
5:6	less than 11.7	11.7–12.6	12.7–16.9	17.0–19.0	19.1 or higher
6:0	less than 11.7	11.7–12.6	12.7–17.0	17.1–19.2	19.3 or higher
6:6	less than 11.7	11.7–12.6	12.7–17.1	17.2–19.5	19.6 or higher
7:0	less than 11.8	11.8–12.6	12.7–17.3	17.4–19.8	19.9 or higher
7:6	less than 11.8	11.8–12.7	12.8–17.5	17.6–20.1	20.2 or higher
8:0	less than 11.9	11.9–12.8	12.9–17.7	17.8–20.6	20.7 or higher
8:6	less than 12.0	12.0–12.9	13.0–18.0	18.1–21.0	21.1 or higher
9:0	less than 12.1	12.1–13.0	13.1–18.3	18.4–21.5	21.6 or higher
9:6	less than 12.2	12.2–13.2	13.3–18.7	18.8–22.0	22.1 or higher
10:0	less than 12.4	12.4–13.4	13.5–19.0	19.1–22.6	22.7 or higher
10:6	less than 12.5	12.5–13.6	13.7–19.4	19.5–23.1	23.2 or higher
11:0	less than 12.7	12.7–13.8	13.9–19.9	20.0–23.7	23.8 or higher
11:6	less than 12.9	12.9–14.0	14.1–20.3	20.4–24.3	24.4 or higher
12:0	less than 13.2	13.2–14.3	14.4–20.8	20.9–25.0	25.1 or higher
12:6	less than 13.4	13.4–14.6	14.7–21.3	21.4–25.6	25.7 or higher
13:0	less than 13.6	13.6–14.8	14.9–21.8	21.9–26.2	26.3 or higher
13:6	less than 13.8	13.8–15.1	15.2–22.3	22.4–26.8	26.9 or higher
14:0	less than 14.0	14.0–15.3	15.4–22.7	22.8–27.3	27.4 or higher
14:6	less than 14.2	14.2–15.6	15.7–23.1	23.2–27.8	27.9 or higher
15:0	less than 14.4	14.4–15.8	15.9–23.5	23.6–28.2	28.3 or higher
15:6	less than 14.5	14.5–15.9	16.0–23.8	23.9–28.6	28.7 or higher
16:0	less than 14.6	14.6–16.1	16.2–24.1	24.2–28.9	29.0 or higher
16:6	less than 14.7	14.7–16.2	16.3–24.3	24.4–29.1	29.2 or higher
17:0	less than 14.7	14.7–16.3	16.4–24.5	24.6–29.3	29.4 or higher
17:6	less than 14.7	14.7–16.3	16.4–24.6	24.7–29.4	29.5 or higher
18:0	less than 14.7	14.7–16.3	16.4–24.8	24.9–29.5	29.6 or higher

BMI-for-Age Table, BOYS 5–18 Years (WHO 2007)

Age (years:months)	Severe malnutrition < -3 SD (BMI)	Moderate malnutrition ≥ -3 to < -2 SD (BMI)	Normal ≥ -2 to ≤ +1 SD (BMI)	Overweight > +1 to ≤ +2 SD (BMI)	Obese > +2 SD (BMI)
5:1	less than 12.1	12.1–12.9	13.0–16.6	16.7–18.3	18.4 or higher
5:6	less than 12.1	12.1–12.9	13.0–16.7	16.8–18.4	18.5 or higher
6:0	less than 12.1	12.1–12.9	13.0–16.8	16.9–18.5	18.6 or higher
6:6	less than 12.2	12.2–13.0	13.1–16.9	17.0–18.7	18.8 or higher
7:0	less than 12.3	12.3–13.0	13.1–17.0	17.1–19.0	19.1 or higher
7:6	less than 12.3	12.3–13.1	13.2–17.2	17.3–19.3	19.4 or higher
8:0	less than 12.4	12.4–13.2	13.3–17.4	17.5–19.7	19.8 or higher
8:6	less than 12.5	12.5–13.3	13.4–17.7	17.8–20.1	20.2 or higher
9:0	less than 12.6	12.6–13.4	13.5–17.9	18.0–20.5	20.6 or higher
9:6	less than 12.7	12.7–13.5	13.6–18.2	18.3–20.9	21.0 or higher
10:0	less than 12.8	12.8–13.6	13.7–18.5	18.6–21.4	21.5 or higher
10:6	less than 12.9	12.9–13.8	13.9–18.8	18.9–21.9	22.0 or higher
11:0	less than 13.1	13.1–14.0	14.1–19.2	19.3–22.5	22.6 or higher
1:6	less than 13.2	13.2–14.1	14.2–19.5	19.6–23.0	23.1 or higher
12:0	less than 13.4	13.4–14.4	14.5–19.9	20.0–23.6	23.7 or higher
12:6	less than 13.6	13.6–14.6	14.7–20.4	20.5–24.2	24.3 or higher
13:0	less than 13.8	13.8–14.8	14.9–20.8	20.9–24.8	24.9 or higher
13:6	less than 14.0	14.0–15.1	15.2–21.3	21.4–25.3	25.4 or higher
14:0	less than 14.3	14.3–15.4	15.5–21.8	21.9–25.9	26.0 or higher
14:6	less than 14.5	14.5–15.6	15.7–22.2	22.3–26.5	26.6 or higher
15:0	less than 14.7	14.7–15.9	16.0–22.7	22.8–27.0	27.1 or higher
15:6	less than 14.9	14.9–16.2	16.3–23.1	23.2–27.4	27.5 or higher
16:0	less than 15.1	15.1–16.4	16.5–23.5	23.6–27.9	28.0 or higher
16:6	less than 15.3	15.3–16.6	16.7–23.9	24.0–28.3	28.4 or higher
17:0	less than 15.4	15.4–16.8	16.9–24.3	24.4–28.6	28.7 or higher
17:6	less than 15.6	15.6–17.0	17.1–24.6	24.7–29.0	29.1 or higher
18:0	less than 15.7	15.7–17.2	17.3–24.9	25.0–29.2	29.3 or higher