

## BODY MASS INDEX (BMI)

BMI is a mathematical formula, a ratio between weight and height, which correlates with body fat. It is a better predictor of disease risk than body weight alone. However, BMI is not an appropriate measure to determine relative disease risk for competitive athletes and body builders, pregnant or lactating women, or frail and sedentary elderly people.

Wt (lbs)	5'	5'1"	5'2"	5'3"	5'4"	5'5"	5'6"	5'7"	5'8"	5'9"	5'10"	5'11"	6'	6'1"	6'2"	6'3"	6'4"
100	20	19	18	18	17	17	16	16	15	15	14	14	14	13	13	12	12
105	21	20	19	19	18	17	17	16	16	16	15	15	14	14	13	13	13
110	21	21	20	19	19	18	18	17	17	16	16	15	15	15	14	14	13
115	22	22	21	20	20	19	19	18	17	17	17	16	16	15	15	14	14
120	23	23	22	21	21	20	19	19	18	18	17	17	16	16	15	15	15
125	24	24	23	22	21	21	20	20	19	18	18	17	17	16	16	16	15
130	25	25	24	23	22	22	21	20	20	19	19	18	18	17	17	16	16
135	26	26	25	24	23	22	22	21	21	20	19	19	18	18	17	17	16
140	27	26	26	25	24	23	23	22	21	21	20	20	19	18	18	17	17
145	28	27	27	26	25	24	23	23	22	21	21	20	20	19	19	18	18
150	29	28	27	27	26	25	24	23	23	22	22	21	20	20	19	19	18
155	30	29	28	27	27	26	25	24	24	23	22	22	21	20	20	19	19
160	31	30	29	28	27	27	26	25	24	24	23	22	22	21	21	20	19
165	32	31	30	29	28	27	27	26	25	24	24	23	22	22	21	21	20
170	33	32	31	30	29	28	27	27	26	25	24	24	23	22	22	21	21
175	34	33	32	31	30	29	28	27	27	26	25	24	24	23	22	22	21
180	35	34	33	32	31	30	29	28	27	27	26	25	24	24	23	22	22
185	36	35	34	33	32	31	30	29	28	27	27	26	25	24	24	23	23
190	37	36	35	34	33	32	31	30	29	28	27	26	26	25	24	24	23
195	38	37	36	35	33	32	31	31	30	29	28	27	26	26	25	24	24
200	39	38	37	35	34	33	32	31	30	30	29	28	27	26	26	25	24
205	40	39	37	36	35	34	33	32	31	30	29	29	28	27	26	26	25
210	41	40	38	37	36	35	34	33	32	31	30	29	28	28	27	26	26
215	42	41	39	38	37	36	35	34	33	32	31	30	29	28	28	27	26
220	43	42	40	39	38	37	36	34	33	32	32	31	30	29	28	27	27
225	44	43	41	40	39	37	36	35	34	33	32	31	31	30	29	28	27
230	45	43	42	41	39	38	37	36	35	34	33	32	31	30	30	29	28
235	46	44	43	42	40	39	38	37	36	35	34	33	32	31	30	29	29
240	47	45	44	43	41	40	39	38	36	35	34	33	33	32	31	30	29
245	48	46	45	43	42	41	40	38	37	36	35	34	33	32	31	31	30
250	49	47	46	44	43	42	40	39	38	37	36	35	34	33	32	31	30

**To Calculate BMI:** Measure weight in kilograms and divide by height in meters squared.

Example: A woman 5'4" weighing 280 pounds (1 ft. = .305 meters; 1 kg = 2.205 lbs.) =  $127\text{kg}/1.625\text{m}^2 = 127/2.64 = \text{a BMI of } 48.$

BMI Category	<25	25 to <27	27 to <30	30 to <35	35 to <40	40+
Health Risk	Minimal	Low	Moderate	High	Very High	Extremely High
Adjusted Health Risk*	Low	Moderate	High	Very High	Extremely High	Extremely High

\*Adjusted Health Risk = Health Risk adjusted for the presence of co morbid conditions and/or risk factors.

**REFERENCE:** SHAPE UP AMERICA!, 6707 DEMOCRACY BLVD., SUITE 107, BETHESDA, MD 20817 [HTTP://WWW2.SHAPEUP.ORG](http://www2.shapeup.org)