Name:	 
Instructor:	 _
CRN#:	

## **Lab: Body Mass Index**

Instructions

- 1. The Body Mass Index Chart or BMI can be a useful tool for assessing the ranges for health body composition based on a person's height. The simplicity of the BMI formula has made it extremely popular as an initial diagnosing tool.
- 2. Using the attached chart, first locate your height on the horizontal axis along the top. Then find your weight on the vertical axis on the left. Find where these two values intersect on the chart. The number at this intersection is your Body Mass Index, or BMI.
- 3. Compare the color area for this value with the key at the top to see which range you fall within: obese, overweight, normal, or underweight. Record your result at the bottom of this page.
- 4. Keep in mind that this formula does have its shortcomings because it does not take into account age, frame size, gender, or muscularity. It is probably best to compare this result with an assessment of body composition that is determined via either a skinfold test or bioelectrical impedance device.

Body Mass Index:	Date:	Result:
	Date:	Result:

\* If you weigh less than 80 lbs., or more than 260 lbs, use the below formula to calculate your BMI. If you are not sure how to use this formula, contact your instructor for assistance:

$$BMI = \frac{mass\ (lb) \times 703}{height^2(in^2)}$$

## Body Mass Index (BMI) Chart for Adults

			Obes	ie (>3	0)			Overweight (25-30)				Normal (18.5-25)						Underweight (<18.5)						
								HE	IGH	T in	feet	/inch	nes a	and	cent	imet	ers							
WEIGHT		4'8"	4'9"	4'10"	4'11"	5'0"	5'1"	5'2"	5'3"	5'4"	5'5"	5'6"	5'7"	5'8"	5'9"	5'10"	5'11"	6'0"	6'1"	6"2"	6'3"	6'4"	6'5"	
lbs	(kg)	142c	m	147	150	152	155	157	160	163	165	168	170	173	175	178	180	183	185	188	191	193	196	
260	(117.9)	58	56	54	53	51	49	48	46	45	43	42	41	40	38	37	36	35	34	33	32	32	31	
255	(115.7)	57	55	53	51	50	48	47	45	44	42	41	40	39	38	37	36	35	34	33	32	31	30	
250	(113.4)	56	54	52	50	49	47	46	44	43	42	40	39	38	37	36	35	34	33	32	31	30	30	
245	(111.1)	55	53	51	49	48	46	45	43	42	41	40	38	37	36	35	34	33	32	31	31	30	29	
240	(108.9)	54	52	50	48	47	45	44	43	41	40	39	38	36	35	34	33	33	32	31	30	29	28	
235	(106.6)	53	51	49	47	46	44	43	42	40	39	38	37	36	35	34	33	32	31	30	29	29	28	
230	(104.3)	52	50	48	46	45	43	42	41	39	38	37	36	35	34	33	32	31	30	30	29	28	27	
225	(102.1)	50	49	47	45	44	43	41	40	39	37	36	35	34	33	32	31	31	30	29	28	27	27	
220	(99.8)	49	48	46	44	43	42	40	39	38	37	36	34	33	32	32	31	30	29	28	27	27	26	
215	(97.5)	48	47	45	43	42	41	39	38	37	36	35	34	33	32	31	30	29	28	28	27	26	25	
210	(95.3)	47	45	44	42	41	40	38	37	36		34	33	32	31	30	29	28	28	27	26	26	25	
205	(93.0)	46	44	43	41	40	39	37	36	35		33	32	31	30	29	29	28	27	26	26	25	24	
200	(90.7)	45	43	42	40	39	38	37	35	34		32	31	30	30	29	28	27	26	26	25	24	24	
195	(88.5)	44	42	41	39	38	37	36	35	33		31	31	30	29	28	27	26	26	25	24	24	23	
190	(86.2)	43	41	40	38	37	36	35		33		31	30	29	28	27	26	26	25	24	24	23	23	
185	(83.9)	41	40	39	37	36	35	34	33	32	0.00	30	29	28	27	27	26	25	24	24	23	23	22	
180	(81.6)	40	39	38	36	35	34	33				29	28	27	27	26	25	24	24	23	22	22	21	
175	(79.4)	39	38	37	35	34	33	32		30		28	27	27	26	25	24	24	23	22	22	21	21	
170	(77.1)	38	37	36	34	33	32	31		29		27	27	26	25	24	24	23	22	22	21	21	20	
165	(74.8)	37	36	34	33	32	31	30		28		27	26	25	24	24	23	22	22	21	21	20	20	
160	(72.6)	36	35	33		31	30	29		27		26	25	24	24	23	22	22	21	21	20	19	19	
155	(70.3)	35	34	32	31	30	29	28		27		25	24	24	23	22	22	21	20	20	19	19	18	
150	(68.0)	34	32	31	30	29	28	27		26		24	23	23	22	22	21	20	20	19	19	18	18	
145	(65.8) (63.5)	33	31 30	30	29 28	28	27 26	27 26	26 25	25		23 23	23 22	22 21	21	21	20	20	19	19	18	18	17	
135	(61.2)	31	29	28	27	27	26	25	24	23		22	21	21	20	19	19	19	18	18 17	17 17	17	17	
	(59.0)	29	28	27	26	25	25	24	23	22		21	20	20	19	19	18	18	17	17	16	16	15	
125	(56.7)	28	27	26	25	24	24	23	22	21	21	20	20	19	18	18	17	17	16	16	16	15	15	
	(54.4)	27	26	25	24	23	23	22		21	20	19	19	18	18	17	17	16	16	15	15	15	14	
	(52.2)	26	25	24	23	22	22	21	20	20		19	18	17			16			15				
	(49.9)	THE REAL PROPERTY.	200		750	10000	100	35	0.50									100	15				1000//	
	(47.6)	F-124	23		21														14					
	(45.4)	10000	22		20		19		18		17							0.1500	13		12		100 Miles	
95	(43.1)	21		20			18		17		16		15							12		12	120000	
90	(40.8)	100000	19		18		17		16		15		14		13		13		12		11		1505	
85	(38.6)	0129	18		17		16		15			14			13		12				11	10	100	
80	(36.3)																						9	

Note: BMI values rounded to the nearest whole number. BMI categories based on CDC (Centers for Disease Control and Prevention) criteria.

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BMI = Weight[kg] / ( Height[m] x Height[m] ) = 703 x Weight[lb] / ( Height[in] x Height[in] ) © 2009 Vertex42 LLC