



IDEAL BODY WEIGHT (IBW) / TIDAL VOLUME CHART

MALES							FEMALES						
HEIGHT			IBW Male	6 ml/kg	7 ml/kg	8 ml/kg	HEIGHT			IBW Female	6 ml/kg	7 ml/kg	8 ml/kg
Feet	Inches	cm					Feet	Inches	cm				
4' 0"	48	121.92	22.4	300	350	400	4' 0"	48	121.92	17.9	270	320	360
4' 1"	49	124.46	24.7	300	350	400	4' 1"	49	124.46	20.2	270	320	360
4' 2"	50	127	27	300	350	400	4' 2"	50	127	22.5	270	320	360
4' 3"	51	129.54	29.3	300	350	400	4' 3"	51	129.54	24.8	270	320	360
4' 4"	52	132.08	31.6	300	350	400	4' 4"	52	132.08	27.1	270	320	360
4' 5"	53	134.62	33.9	300	350	400	4' 5"	53	134.62	29.4	270	320	360
4' 6"	54	137.16	36.2	300	350	400	4' 6"	54	137.16	31.7	270	320	360
4' 7"	55	139.7	38.5	300	350	400	4' 7"	55	139.7	34	270	320	360
4' 8"	56	142.24	40.8	300	350	400	4' 8"	56	142.24	36.3	270	320	360
4' 9"	57	144.78	43.1	300	350	400	4' 9"	57	144.78	38.6	270	320	360
4' 10"	58	147.32	45.4	300	350	400	4' 10"	58	147.32	40.9	270	320	360
4' 11"	59	149.86	47.7	300	350	400	4' 11"	59	149.86	43.2	270	320	360
5' 0"	60	152.4	50	300	350	400	5' 0"	60	152.4	45.5	270	320	360
5' 1"	61	154.94	52.3	310	370	420	5' 1"	61	154.94	47.8	290	330	380
5' 2"	62	157.48	54.6	330	380	440	5' 2"	62	157.48	50.1	300	350	400
5' 3"	63	160.02	56.9	340	400	450	5' 3"	63	160.02	52.4	310	370	420
5' 4"	64	162.56	59.2	350	410	470	5' 4"	64	162.56	54.7	330	380	440
5' 5"	65	165.1	61.5	370	430	490	5' 5"	65	165.1	57	340	400	460
5' 6"	66	167.64	63.8	380	450	510	5' 6"	66	167.64	59.3	360	410	470
5' 7"	67	170.18	66.1	400	460	530	5' 7"	67	170.18	61.6	370	430	490
5' 8"	68	172.72	68.4	410	480	550	5' 8"	68	172.72	63.9	380	450	510
5' 9"	69	175.26	70.7	420	500	570	5' 9"	69	175.26	66.2	400	460	530
5' 10"	70	177.8	73	440	510	580	5' 10"	70	177.8	68.5	410	480	550
5' 11"	71	180.34	75.3	450	530	600	5' 11"	71	180.34	70.8	420	500	570
6' 0"	72	182.88	77.6	470	540	620	6' 0"	72	182.88	73.1	440	510	580
6' 1"	73	185.42	79.9	480	560	640	6' 1"	73	185.42	75.4	450	530	600
6' 2"	74	187.96	82.2	490	570	660	6' 2"	74	187.96	77.7	470	540	620
6' 3"	75	190.5	84.5	510	590	680	6' 3"	75	190.5	80	480	560	640
6' 4"	76	193.04	86.8	520	610	690	6' 4"	76	193.04	82.3	490	580	660
6' 5"	77	195.58	89.1	530	620	710	6' 5"	77	195.58	84.6	510	590	680
6' 6"	78	198.12	91.4	550	640	730	6' 6"	78	198.12	86.9	520	610	700
6' 7"	79	200.66	93.7	560	660	750	6' 7"	79	200.66	89.2	530	620	710
6' 8"	80	203.2	96	580	670	770	6' 8"	80	203.2	91.5	550	640	730
6' 9"	81	205.74	98.3	590	690	790	6' 9"	81	205.74	93.8	560	660	750
6' 10"	82	208.28	100.6	600	700	800	6' 10"	82	208.28	96.1	580	670	770
6' 11"	83	210.82	102.9	620	720	820	6' 11"	83	210.82	98.4	590	690	780
7' 0"	84	213.36	105.2	630	740	840	7' 0"	84	213.36	100.7	600	710	810

** Revert to 5 feet when assigning Tidal Volume for all patients < 5 feet tall.*

Modified from ARDSNet & National NIH
 Males IBW Calculation: $50\text{kg} + 0.91\text{kg} * (\text{height in cm} - 152.4)$
 Females IBW Calculation: $45.5\text{kg} + 0.91\text{kg} * (\text{height in cm} - 152.4)$