(13) Each roentgenogram made under this Appendix shall be permanently and legibly marked with the name and address of the facility at which it is made, the miner's DOL claim number, the date of the roentgenogram, and left and right side of film. No other identifying markings shall be recorded on the roentgenogram.

[65 FR 80045, Dec. 20, 2000]

APPENDIX B TO PART 718—STANDARDS FOR ADMINISTRATION AND INTERPRETATION OF PULMONARY FUNCTION TESTS. TABLES B1, B2, B3, B4, B5, B6.

The following standards are established in accordance with section 402(f)(1)(D) of the Act. They were developed in consultation with the National Institute for Occupational Safety and Health (NIOSH). These standards are promulgated for the guidance of physicians and medical technicians to insure that uniform procedures are used in administering and interpreting ventilatory function tests and that the best available medical evidence will be submitted in support of a claim for black lung benefits. If it is established that one or more standards have not been met, the claims adjudicator may consider such fact in determining the evidentiary weight to be given to the results of the ventilatory function tests.

(1) Instruments to be used for the administration of pulmonary function tests shall be approved by NIOSH and shall conform to the following criteria:

(i) The instrument shall be accurate within ±50 ml or within ±3 percent of reading, whichever is greater.

(ii) The instrument shall be capable of measuring vital capacity from 0 to 7 liters BTPS.

(iii) The instrument shall have a low inertia and offer low resistance to airflow such that the resistance to airflow at 12 liters per second must be less than 1.5 cm H20/liter/sec.

(iv) The instrument or user of the instrument must have a means of correcting volumes to body temperature saturated with water vapor (BTPS) under conditions of varying ambient spirometer temperatures and barometric pressures.

(v) The instrument used shall provide a tracing of flow versus volume (flow-volume loop) which displays the entire maximum inspiration and the entire maximum forced expiration. The instrument shall, in addition, provide tracings of the volume versus time tracing (spirogram) derived electronically from the flow-volume loop. Tracings are necessary to determine whether maximum inspiratory and expiratory efforts have been obtained during the FVC maneuver. If maximum voluntary ventilation is measured, the tracing shall record the individual breaths volumes versus time.

(vi) The instrument shall be capable of accumulating volume for a minimum of 10 seconds after the onset of exhalation.

(vii) The instrument must be capable of being calibrated in the field with respect to the FEV1. The volume calibration shall be accomplished with a 3 L calibrating syringe and should agree to within 1 percent of a 3 L calibrating volume. The linearity of the instrument must be documented by a record of volume calibrations at three different flow rates of approximately 3 L/6 sec, 3 L/3 sec, and 3 L/sec.

(viii) For measuring maximum voluntary ventilation (MVV) the instrument shall have a response which is flat within ±10 percent up to 4 Hz at flow rates up to 12 liters per second over the volume range.

(ix) The spirogram shall be recorded at a speed of at least 20 mm/sec and a volume excursion of at least 10mm/L. Calculation of the FEV1 from the flow-volume loop is not acceptable. Original tracings shall be submitted.

(2) The administration of pulmonary function tests shall conform to the following criteria:

(i) Tests shall not be performed during or soon after an acute respiratory illness.

(ii) For the FEV1 and FVC, use of a nose clip is required. The procedures shall be explained in simple terms to the patient who shall be instructed to loosen any tight clothing and stand in front of the apparatus. The subject may sit, or stand, but care should be taken on repeat testing that the same position be used. Particular attention shall be given to insure that the chin is slightly elevated with the neck slightly extended. The subject shall be instructed to expire completely, momentarily hold his breath, place the mouthpiece in his mouth and close the mouth firmly about the mouthpiece to ensure no air leak. The subject will than make a maximum inspiration from the instrument and when maximum inspiration has been attained, without interruption, blow as hard, fast and completely as possible for at least 7 seconds or until a plateau has been attained in the volume-time curve with no detectable change in the expired volume during the last 2 seconds of maximal expiratory effort. A minimum of three flow-volume loops and derived spirometric tracings shall be carried out. The patient shall be observed throughout the study for compliance with instructions. Inspiration and expiration shall be checked visually for reproducibility. The effort shall be judged unacceptable when the patient:

(A) Has not reached full inspiration preceding the forced expiration; or

(B) Has not used maximal effort during the entire forced expiration; or

(C) Has not continued the expiration for least 7 sec. or until an obvious plateau for at least 2 sec. in the volume-time curve has occurred; or

(D) Has coughed or closed his glottis; or

(E) Has an obstructed mouthpiece or a leak around the mouthpiece (obstruction due to tongue being placed in front of mouthpiece, false teeth falling in front of mouthpiece, etc.); or

(F) Has an unsatisfactory start of expiration, one characterized by excessive hesitation (or false starts). Peak flow should be attained at the start of expiration and the volume-time tracing (spirogram) should have a smooth contour revealing gradually decreasing flow throughout expiration; or

(G) Has an excessive variability between the three acceptable curves. The variation between the two largest FEV1's of the three acceptable tracings should not exceed 5 percent of the largest FEV1 or 100 ml, whichever is greater. As individuals with obstructive disease or rapid decline in lung function will be less likely to achieve this degree of reproducibility, tests not meeting this criterion may still be submitted for consideration in support of a claim for black lung benefits. Failure to meet this standard should be clearly noted in the test report by the physician conducting or reviewing the test.

(iii) For the MVV, the subject shall be instructed before beginning the test that he or she will be asked to breathe as deeply and as rapidly as possible for approximately 15 seconds. The test shall be performed with the subject in the standing position, if possible. Care shall be taken on repeat testing that the same position be used. The subject shall breathe normally into the mouthpiece of the apparatus for 10 to 15 seconds to become accustomed to the system. The subject shall then be instructed to breathe as deeply and as rapidly as possible, and shall be continually encouraged during the remainder of the maneuver. Subject shall continue the maneuver for 15 seconds. At least 5 minutes of rest shall be allowed between maneuvers. At least three MVV's shall be carried out. (*But see* §718.103(b).) During the maneuvers the patient shall be observed for compliance with instructions. The effort shall be judged unacceptable when the patient:

(A) Has not maintained consistent effort for at least 12 to 15 seconds; or

(B) Has coughed or closed his glottis; or

(C) Has an obstructed mouthpiece or a leak around the mouthpiece (obstruction due to tongue being placed in front of mouthpiece, false teeth falling in front of mouthpiece, etc.); or

(D) Has an excessive variability between the three acceptable curves. The variation between the two largest MVVs of the three satisfactory tracings shall not exceed 10 percent.

(iv) A calibration check shall be performed on the instrument each day before use, using a volume source of at least three liters, accurate to within ±1 percent of full scale. The volume calibration shall be performed in accordance with the method described in paragraph (1)(vii) of this Appendix. Accuracy of the time measurement used in determining the FEV1 shall be checked using the manufacturer's stated procedure and shall be within ±3 percent of actual. The procedure described in the Appendix shall be performed as well as any other procedures suggested by the manufacturer of the spirometer being used.

(v)(A) The first step in evaluating a spirogram for the FVC and FEV1 shall be to determine whether or not the patient has performed the test properly or as described in (2)(ii) of this Appendix. The largest recorded FVC and FEV1, corrected to BTPS, shall be used in the analysis.

(B) Only MVV maneuvers which demonstrate consistent effort for at least 12 seconds shall be considered acceptable. The largest accumulated volume for a 12 second period corrected to BTPS and multiplied by five or the largest accumulated volume for a 15 second period corrected to BTPS and multiplied by four is to be reported as the MVV.

PREDICTION EQUATIONS FOR FEV1 MALES * 60% OF PREDICTED **

HEIGHT	AGE (YEARS)																								
(IN)	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
59.1	1.85	1.88	1.90	1.75	1.74	1.72	1.70	1.69	1.67	1.66	1.64	1.62	1.61	1.59	1.58	1.56	1.54	1.53	1.51	1.49	1.48	1.46	1.45	1.43	1.41
59.4	1.88	1.90	1.93	1.78	1.77	1.75	1.74	1.72	1.70	1.69	1.67	1.65	1.64	1.62	1.61	1.59	1.57	1.56	1.54	1.53	1.51	1.49	1.48	1.46	1.44
59.8	1.90	1.93	1.96	1.82	1.80	1.78	1.77	1.75	1.73	1.72	1.70	1.69	1.67	1.65	1.64	1.62	1.61	1.59	1.57	1.56	1.54	1.52	1.51	1.49	1.48
60.2	1.93	1.96	1.99	1.85	1.83	1.81	1.80	1.78	1.77	1.75	1.73	1.72	1.70	1.68	1.67	1.65	1.64	1.62	1.60	1.59	1.57	1.56	1.54	1.52	1.51
60.6	1.96	1.99	2.01	1.88	1.86	1.85	1.83	1.81	1.80	1.78	1.76	1.75	1.73	1.72	1.70	1.68	1.67	1.65	1.64	1.62	1.60	1.59	1.57	1.55	1.54
61.0	1.99	2.01	2.04	1.91	1.89	1.88	1.86	1.84	1.83	1.81	1.80	1.78	1.76	1.75	1.73	1.71	1.70	1.68	1.67	1.65	1.63	1.62	1.60	1.59	1.57
61.4	2.01	2.04	2.07	1.94	1.92	1.91	1.89	1.88	1.86	1.84	1.83	1.81	1.79	1.78	1.76	1.75	1.73	1.71	1.70	1.68	1.67	1.65	1.63	1.62	1.60
61.8	2.04	2.07	2.10	1.97	1.96	1.94	1.92	1.91	1.89	1.87	1.86	1.84	1.83	1.81	1.79	1.78	1.76	1.74	1.73	1.71	1.70	1.68	1.66	1.65	1.63
62.2	2.07	2.10	2.12	2.00	1.99	1.97	1.95	1.94	1.92	1.91	1.89	1.87	1.86	1.84	1.82	1.81	1.79	1.78	1.76	1.74	1.73	1.71	1.70	1.68	1.66
62.6	2.10	2.12	2.15	2.03	2.02	2.00	1.99	1.97	1.95	1.94	1.92	1.90	1.89	1.87	1.86	1.84	1.82	1.81	1.79	1.77	1.76	1.74	1.73	1.71	1.69
63.0	2.13	2.15	2.18	2.07	2.05	2.03	2.02	2.00	1.98	1.97	1.95	1.94	1.92	1.90	1.89	1.87	1.85	1.84	1.82	1.81	1.79	1.77	1.76	1.74	1.73
63.4	2.15	2.18	2.21	2.10	2.08	2.06	2.05	2.03	2.02	2.00	1.98	1.97	1.95	1.93	1.92	1.90	1.89	1.87	1.85	1.84	1.82	1.80	1.79	1.77	1.76
63.8	2.18	2.21	2.23	2.13	2.11	2.10	2.08	2.06	2.05	2.03	2.01	2.00	1.98	1.97	1.95	1.93	1.92	1.90	1.88	1.87	1.85	1.84	1.82	1.80	1.79
64.2	2.21	2.24	2.26	2.16	2.14	2.13	2.11	2.09	2.08	2.06	2.05	2.03	2.01	2.00	1.98	1.96	1.95	1.93	1.92	1.90	1.88	1.87	1.85	1.83	1.82
64.6	2.24	2.26	2.29	2.19	2.17	2.16	2.14	2.13	2.11	2.09	2.08	2.06	2.04	2.03	2.01	2.00	1.98	1.96	1.95	1.93	1.91	1.90	1.88	1.87	1.85
65.0	2.26	2.29	2.32	2.22	2.20	2.19	2.17	2.16	2.14	2.12	2.11	2.09	2.08	2.06	2.04	2.03	2.01	1.99	1.98	1.96	1.95	1.93	1.91	1.90	1.88
65.4	2.29	2.32	2.34	2.25	2.24	2.22	2.20	2.19	2.17	2.16	2.14	2.12	2.11	2.09	2.07	2.06	2.04	2.03	2.01	1.99	1.98	1.96	1.94	1.93	1.91
65.7	2.32	2.35	2.37	2.28	2.27	2.25	2.24	2.22	2.20	2.19	2.17	2.15	2.14	2.12	2.11	2.09	2.07	2.06	2.04	2.02	2.01	1.99	1.98	1.96	1.94
66.1	2.35	2.37	2.40	2.31	2.30	2.28	2.27	2.25	2.23	2.22	2.20	2.19	2.17	2.15	2.14	2.12	2.10	2.09	2.07	2.06	2.04	2.02	2.01	1.99	1.97
66.5	2.37	2.40	2.43	2.35	2.33	2.31	2.30	2.28	2.27	2.25	2.23	2.22	2.20	2.18	2.17	2.15	2.14	2.12	2.10	2.09	2.07	2.05	2.04	2.02	2.01
66.9	2.40	2.43	2.46	2.38	2.36	2.34	2.33	2.31	2.30	2.28	2.26	2.25	2.23	2.22	2.20	2.18	2.17	2.15	2.13	2.12	2.10	2.09	2.07	2.05	2.04
67.3	2.43	2.46	2.48	2.41	2.39	2.38	2.36	2.34	2.33	2.31	2.30	2.28	2.26	2.25	2.23	2.21	2.20	2.18	2.17	2.15	2.13	2.12	2.10	2.08	2.07
67.7	2.46	2.48	2.51	2.44	2.42	2.41	2.39	2.37	2.36	2.34	2.33	2.31	2.29	2.28	2.26	2.25	2.23	2.21	2.20	2.18	2.16	2.15	2.13	2.12	2.10
68.1	2.48	2.51	2.54	2.47	2.45	2.44	2.42	2.41	2.39	2.37	2.36	2.34	2.33	2.31	2.29	2.28	2.26	2.24	2.23	2.21	2.20	2.18	2.16	2.15	2.13
68.5	2.51	2.54	2.57	2.50	2.49	2.47	2.45	2.44	2.42	2.40	2.39	2.37	2.36	2.34	2.32	2.31	2.29	2.28	2.26	2.24	2.23	2.21	2.19	2.18	2.16
68.9	2.54	2.57	2.59	2.53	2.52	2.50	2.48	2.47	2.45	2.44	2.42	2.40	2.39	2.37	2.36	2.34	2.32	2.31	2.29	2.27	2.26	2.24	2.23	2.21	2.19
69.3	2.57	2.59	2.62	2.56	2.55	2.53	2.52	2.50	2.48	2.47	2.45	2.43	2.42	2.40	2.39	2.37	2.35	2.34	2.32	2.31	2.29	2.27	2.26	2.24	2.22
69.7	2.59	2.62	2.65	2.60	2.58	2.56	2.55	2.53	2.51	2.50	2.48	2.47	2.45	2.43	2.42	2.40	2.39	2.37	2.35	2.34	2.32	2.30	2.29	2.27	2.26
70.1	2.62	2.65	2.68	2.63	2.61	2.59	2.58	2.56	2.55	2.53	2.51	2.50	2.48	2.46	2.45	2.43	2.42	2.40	2.38	2.37	2.35	2.34	2.32	2.30	2.29
70.5	2.65	2.68	2.70	2.66	2.64	2.63	2.61	2.59	2.58	2.56	2.54	2.53	2.51	2.50	2.48	2.46	2.45	2.43	2.42	2.40	2.38	2.37	2.35	2.33	2.32
70.9	2.68	2.70	2.73	2.69	2.67	2.66	2.64	2.62	2.61	2.59	2.58	2.56	2.54	2.53	2.51	2.49	2.48	2.46	2.45	2.43	2.41	2.40	2.38	2.37	2.35
71.3	2.70	2.73	2.76	2.72	2.70	2.69	2.67	2.66	2.64	2.62	2.61	2.59	2.57	2.56	2.54	2.53	2.51	2.49	2.48	2.46	2.45	2.43	2.41	2.40	2.38
71.7	2.73	2.76	2.79	2.75	2.74	2.72	2.70	2.69	2.67	2.65	2.64	2.62	2.61	2.59	2.57	2.56	2.54	2.52	2.51	2.49	2.48	2.46	2.44	2.43	2.41
72.0	2.76	2.79	2.81	2.78	2.77	2.75	2.73	2.72	2.70	2.69	2.67	2.65	2.64	2.62	2.60	2.59	2.57	2.56	2.54	2.52	2.51	2.49	2.47	2.46	2.44
72.4	2.79	2.81	2.84	2.81	2.80	2.78	2.77	2.75	2.73	2.72	2.70	2.68	2.67	2.65	2.64	2.62	2.60	2.59	2.57	2.55	2.54	2.52	2.51	2.49	2.47
72.8	2.82	2.84	2.87	2.85	2.83	2.81	2.80	2.78	2.76	2.75	2.73	2.72	2.70	2.68	2.67	2.65	2.63	2.62	2.60	2.59	2.57	2.55	2.54	2.52	2.50
73.2	2.84	2.87	2.90	2.88	2.86	2.84	2.83	2.81	2.80	2.78	2.76	2.75	2.73	2.71	2.70	2.68	2.67	2.65	2.63	2.62	2.60	2.58	2.57	2.55	2.54
73.6	2.87	2.90	2.92	2.91	2.89	2.88	2.86	2.84	2.83	2.81	2.79	2.78	2.76	2.75	2.73	2.71	2.70	2.68	2.66	2.65	2.63	2.62	2.60	2.58	2.57
74.0	2.90	2.93	2.95	2.94	2.92	2.91	2.89	2.87	2.86	2.84	2.83	2.81	2.79	2.78	2.76	2.74	2.73	2.71	2.70	2.68	2.66	2.65	2.63	2.61	2.60
74.4	2.93	2.95	2.98	2.97	2.95	2.94	2.92	2.91	2.89	2.87	2.86	2.84	2.82	2.81	2.79	2.78	2.76	2.74	2.73	2.71	2.69	2.68	2.66	2.65	2.63
74.8	2.95	2.98	3.01	3.00	2.99	2.97	2.95	2.94	2.92	2.90	2.89	2.87	2.86	2.84	2.82	2.81	2.79	2.77	2.76	2.74	2.73	2.71	2.69	2.68	2.66
75.2	2.98	3.01	3.03	3.03	3.02	3.00	2.98	2.97	2.95	2.94	2.92	2.90	2.89	2.87	2.85	2.84	2.82	2.81	2.79	2.77	2.76	2.74	2.72	2.71	2.69
75.6	3.01	3.04	3.06	3.06	3.05	3.03	3.02	3.00	2.98	2.97	2.95	2.93	2.92	2.90	2.89	2.87	2.85	2.84	2.82	2.80	2.79	2.77	2.76	2.74	2.72
76.0	3.04	3.06	3.09	3.09	3.08	3.06	3.05	3.03	3.01	3.00	2.98	2.97	2.95	2.93	2.92	2.90	2.88	2.87	2.85	2.84	2.82	2.80	2.79	2.77	2.75
76.4	3.06	3.09	3.12	3.13	3.11	3.09	3.08	3.06	3.05	3.03	3.01	3.00	2.98	2.96	2.95	2.93	2.92	2.90	2.88	2.87	2.85	2.83	2.82	2.80	2.79
76.8	3.09	3.12	3.15	3.16	3.14	3.12	3.11	3.09	3.08	3.06	3.04	3.03	3.01	3.00	2.98	2.96	2.95	2.93	2.91	2.90	2.88	2.87	2.85	2.83	2.82
77.2	3.12	3.15	3.17	3.19	3.17	3.16	3.14	3.12	3.11	3.09	3.08	3.06	3.04	3.03	3.01	2.99	2.98	2.96	2.95	2.93	2.91	2.90	2.88	2.86	2.85
77.6	3.15	3.17	3.20	3.22	3.20	3.19	3.17	3.15	3.14	3.12	3.11	3.09	3.07	3.06	3.04	3.03	3.01	2.99	2.98	2.96	2.94	2.93	2.91	2.90	2.88
78.0	3.17	3.20	3.23	3.25	3.23	3.22	3.20	3.19	3.17	3.15	3.14	3.12	3.11	3.09	3.07	3.06	3.04	3.02	3.01	2.99	2.98	2.96	2.94	2.93	2.91
78.3	3.20	3.23	3.26	3.28	3.27	3.25	3.23	3.22	3.20	3.18	3.17	3.15	3.14	3.12	3.10	3.09	3.07	3.06	3.04	3.02	3.01	2.99	2.97	2.96	2.94
78.7	3.23	3.26	3.28	3.31	3.30	3.28	3.26	3.25	3.23	3.22	3.20	3.18	3.17	3.15	3.14	3.12	3.10	3.09	3.07	3.05	3.04	3.02	3.01	2.99	2.97
79.1	3.26	3.28	3.31	3.34	3.33	3.31	3.30	3.28	3.26	3.25	3.23	3.21	3.20	3.18	3.17	3.15	3.13	3.12	3.10	3.09	3.07	3.05	3.04	3.02	3.00
79.5	3.28	3.31	3.34	3.38	3.36	3.34	3.33	3.31	3.29	3.28	3.26	3.25	3.23	3.21	3.20	3.18	3.17	3.15	3.13	3.12	3.10	3.08	3.07	3.05	3.04
79.9	3.31	3.34	3.37	3.41	3.39	3.37	3.36	3.34	3.33	3.31	3.29	3.28	3.26	3.24	3.23	3.21	3.20	3.18	3.16	3.15	3.13	3.12	3.10	3.08	3.07
80.3	3.34	3.37	3.39	3.44	3.42	3.41	3.39	3.37	3.36	3.34	3.32	3.31	3.29	3.28	3.26	3.24	3.23	3.21	3.19	3.18	3.16	3.15	3.13	3.11	3.10
80.7	3.37	3.39	3.42	3.47	3.45	3.44	3.42	3.40	3.39	3.37	3.36	3.34	3.32	3.31	3.29	3.27	3.26	3.24	3.23	3.21	3.19	3.18	3.16	3.15	3.13
81.1	3.39	3.42	3.45	3.50	3.48	3.47	3.45	3.44	3.42	3.40	3.39	3.37	3.35	3.34	3.32	3.31	3.29	3.27	3.26	3.24	3.22	3.21	3.19	3.18	3.16
81.5	3.42	3.45	3.48	3.53	3.52	3.50	3.48	3.47	3.45	3.43	3.42	3.40	3.39	3.37	3.35	3.34	3.32	3.30	3.29	3.27	3.26	3.24	3.22	3.21	3.19
81.9	3.45	3.48	3.50	3.56	3.55	3.53	3.51	3.50	3.48	3.47	3.45	3.43	3.42	3.40	3.38	3.37	3.35	3.34	3.32	3.30	3.29	3.27	3.25	3.24	3.22
82.3	3.48	3.50	3.53	3.59	3.58	3.56	3.55	3.53	3.51	3.50	3.48	3.46	3.45	3.43	3.42	3.40	3.38	3.37	3.35	3.33	3.32	3.30	3.29	3.27	3.25
82.7	3.51	3.53	3.56	3.63	3.61	3.59	3.58	3.56	3.54	3.53	3.51	3.50	3.48	3.46	3.45	3.43	3.41	3.40	3.38	3.37	3.35	3.33	3.32	3.30	3.29

PREDICTION EQUATIONS FOR FEV1 MALES * 60% OF PREDICTED **

HEIGHT (IN)	AGE (YEARS) 47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
59.1	1.40	1.38	1.36	1.35	1.33	1.32	1.30	1.28	1.27	1.25	1.23	1.22	1.20	1.19	1.17	1.15	1.14	1.12	1.11	1.09	1.07	1.06	1.04	1.02	1.01
59.4	1.43	1.41	1.40	1.38	1.36	1.35	1.33	1.31	1.30	1.28	1.27	1.25	1.23	1.22	1.20	1.18	1.17	1.15	1.14	1.12	1.10	1.09	1.07	1.06	1.04
59.8	1.46	1.44	1.43	1.41	1.39	1.38	1.36	1.35	1.33	1.31	1.30	1.28	1.26	1.25	1.23	1.22	1.20	1.18	1.17	1.15	1.14	1.12	1.10	1.09	1.07
60.2	1.49	1.47	1.46	1.44	1.43	1.41	1.39	1.38	1.36	1.34	1.33	1.31	1.30	1.28	1.26	1.25	1.23	1.22	1.20	1.18	1.17	1.15	1.13	1.12	1.10
60.6	1.52	1.51	1.49	1.47	1.46	1.44	1.42	1.41	1.39	1.38	1.36	1.34	1.33	1.31	1.29	1.28	1.26	1.25	1.23	1.21	1.20	1.18	1.17	1.15	1.13
61.0	1.55	1.54	1.52	1.50	1.49	1.47	1.46	1.44	1.42	1.41	1.39	1.37	1.36	1.34	1.33	1.31	1.29	1.28	1.26	1.25	1.23	1.21	1.20	1.18	1.16
61.4	1.58	1.57	1.55	1.54	1.52	1.50	1.49	1.47	1.45	1.44	1.42	1.41	1.39	1.37	1.36	1.34	1.32	1.31	1.29	1.28	1.26	1.24	1.23	1.21	1.20
61.8	1.62	1.60	1.58	1.57	1.55	1.53	1.52	1.50	1.49	1.47	1.45	1.44	1.42	1.40	1.39	1.37	1.36	1.34	1.32	1.31	1.29	1.28	1.26	1.24	1.23
62.2	1.65	1.63	1.61	1.60	1.58	1.57	1.55	1.53	1.52	1.50	1.48	1.47	1.45	1.44	1.42	1.40	1.39	1.37	1.35	1.34	1.32	1.31	1.29	1.27	1.26
62.6	1.68	1.66	1.65	1.63	1.61	1.60	1.58	1.56	1.55	1.53	1.52	1.50	1.48	1.47	1.45	1.43	1.42	1.40	1.39	1.37	1.35	1.34	1.32	1.31	1.29
63.0	1.71	1.69	1.68	1.66	1.64	1.63	1.61	1.60	1.58	1.56	1.55	1.53	1.51	1.50	1.48	1.47	1.45	1.43	1.42	1.40	1.38	1.37	1.35	1.34	1.32
63.4	1.74	1.72	1.71	1.69	1.68	1.66	1.64	1.63	1.61	1.59	1.58	1.56	1.55	1.53	1.51	1.50	1.48	1.46	1.45	1.43	1.42	1.40	1.38	1.37	1.35
63.8	1.77	1.75	1.74	1.72	1.71	1.69	1.67	1.66	1.64	1.63	1.61	1.59	1.58	1.56	1.54	1.53	1.51	1.50	1.48	1.46	1.45	1.43	1.41	1.40	1.38
64.2	1.80	1.79	1.77	1.75	1.74	1.72	1.71	1.69	1.67	1.66	1.64	1.62	1.61	1.59	1.58	1.56	1.54	1.53	1.51	1.49	1.48	1.46	1.45	1.43	1.41
64.6	1.83	1.82	1.80	1.78	1.77	1.75	1.74	1.72	1.70	1.69	1.67	1.66	1.64	1.62	1.61	1.59	1.57	1.56	1.54	1.53	1.51	1.49	1.48	1.46	1.44
65.0	1.86	1.85	1.83	1.82	1.80	1.78	1.77	1.75	1.74	1.72	1.70	1.69	1.67	1.65	1.64	1.62	1.61	1.59	1.57	1.56	1.54	1.52	1.51	1.49	1.48
65.4	1.90	1.88	1.86	1.85	1.83	1.81	1.80	1.78	1.77	1.75	1.73	1.72	1.70	1.69	1.67	1.65	1.64	1.62	1.60	1.59	1.57	1.56	1.54	1.52	1.51
65.7	1.93	1.91	1.89	1.88	1.86	1.85	1.83	1.81	1.80	1.78	1.77	1.75	1.73	1.72	1.70	1.68	1.67	1.65	1.64	1.62	1.60	1.59	1.57	1.55	1.54
66.1	1.96	1.94	1.93	1.91	1.89	1.88	1.86	1.84	1.83	1.81	1.80	1.78	1.76	1.75	1.73	1.72	1.70	1.68	1.67	1.65	1.63	1.62	1.60	1.59	1.57
66.5	1.99	1.97	1.96	1.94	1.92	1.91	1.89	1.88	1.86	1.84	1.83	1.81	1.80	1.78	1.76	1.75	1.73	1.71	1.70	1.68	1.67	1.65	1.63	1.62	1.60
66.9	2.02	2.00	1.99	1.97	1.96	1.94	1.92	1.91	1.89	1.88	1.86	1.84	1.83	1.81	1.79	1.78	1.76	1.75	1.73	1.71	1.70	1.68	1.66	1.65	1.63
67.3	2.05	2.04	2.02	2.00	1.99	1.97	1.95	1.94	1.92	1.91	1.89	1.87	1.86	1.84	1.83	1.81	1.79	1.78	1.76	1.74	1.73	1.71	1.70	1.68	1.66
67.7	2.08	2.07	2.05	2.03	2.02	2.00	1.99	1.97	1.95	1.94	1.92	1.91	1.89	1.87	1.86	1.84	1.82	1.81	1.79	1.78	1.76	1.74	1.73	1.71	1.69
68.1	2.11	2.10	2.08	2.07	2.05	2.03	2.02	2.00	1.98	1.97	1.95	1.94	1.92	1.90	1.89	1.87	1.86	1.84	1.82	1.81	1.79	1.77	1.76	1.74	1.73
68.5	2.15	2.13	2.11	2.10	2.08	2.06	2.05	2.03	2.02	2.00	1.98	1.97	1.95	1.94	1.92	1.90	1.89	1.87	1.85	1.84	1.82	1.81	1.79	1.77	1.76
68.9	2.18	2.16	2.14	2.13	2.11	2.10	2.08	2.06	2.05	2.03	2.01	2.00	1.98	1.97	1.95	1.93	1.92	1.90	1.89	1.87	1.85	1.84	1.82	1.80	1.79
69.3	2.21	2.19	2.18	2.16	2.14	2.13	2.11	2.09	2.08	2.06	2.05	2.03	2.01	2.00	1.98	1.97	1.95	1.93	1.92	1.90	1.88	1.87	1.85	1.84	1.82
69.7	2.24	2.22	2.21	2.19	2.17	2.16	2.14	2.13	2.11	2.09	2.08	2.06	2.04	2.03	2.01	2.00	1.98	1.96	1.95	1.93	1.92	1.90	1.88	1.87	1.85
70.1	2.27	2.25	2.24	2.22	2.21	2.19	2.17	2.16	2.14	2.12	2.11	2.09	2.08	2.06	2.04	2.03	2.01	2.00	1.98	1.96	1.95	1.93	1.91	1.90	1.88
70.5	2.30	2.29	2.27	2.25	2.24	2.22	2.20	2.19	2.17	2.16	2.14	2.12	2.11	2.09	2.07	2.06	2.04	2.03	2.01	1.99	1.98	1.96	1.95	1.93	1.91
70.9	2.33	2.32	2.30	2.28	2.27	2.25	2.24	2.22	2.20	2.19	2.17	2.15	2.14	2.12	2.11	2.09	2.07	2.06	2.04	2.03	2.01	1.99	1.98	1.96	1.94
71.3	2.36	2.35	2.33	2.32	2.30	2.28	2.27	2.25	2.23	2.22	2.20	2.19	2.17	2.15	2.14	2.12	2.10	2.09	2.07	2.06	2.04	2.02	2.01	1.99	1.98
71.7	2.40	2.38	2.36	2.35	2.33	2.31	2.30	2.28	2.27	2.25	2.23	2.22	2.20	2.18	2.17	2.15	2.14	2.12	2.10	2.09	2.07	2.05	2.04	2.02	2.01
72.0	2.43	2.41	2.39	2.38	2.36	2.35	2.33	2.31	2.30	2.28	2.26	2.25	2.23	2.22	2.20	2.18	2.17	2.15	2.13	2.12	2.10	2.09	2.07	2.05	2.04
72.4	2.46	2.44	2.43	2.41	2.39	2.38	2.36	2.34	2.33	2.31	2.30	2.28	2.26	2.25	2.23	2.21	2.20	2.18	2.17	2.15	2.13	2.12	2.10	2.08	2.07
72.8	2.49	2.47	2.46	2.44	2.42	2.41	2.39	2.38	2.36	2.34	2.33	2.31	2.29	2.28	2.26	2.25	2.23	2.21	2.20	2.18	2.16	2.15	2.13	2.12	2.10
73.2	2.52	2.50	2.49	2.47	2.46	2.44	2.42	2.41	2.39	2.37	2.36	2.34	2.33	2.31	2.29	2.28	2.26	2.24	2.23	2.21	2.20	2.18	2.16	2.15	2.13
73.6	2.55	2.54	2.52	2.50	2.49	2.47	2.45	2.44	2.42	2.41	2.39	2.37	2.36	2.34	2.32	2.31	2.29	2.28	2.26	2.24	2.23	2.21	2.19	2.18	2.16
74.0	2.58	2.57	2.55	2.53	2.52	2.50	2.49	2.47	2.45	2.44	2.42	2.40	2.39	2.37	2.36	2.34	2.32	2.31	2.29	2.27	2.26	2.24	2.23	2.21	2.19
74.4	2.61	2.60	2.58	2.57	2.55	2.53	2.52	2.50	2.48	2.47	2.45	2.44	2.42	2.40	2.39	2.37	2.35	2.34	2.32	2.31	2.29	2.27	2.26	2.24	2.22
74.8	2.64	2.63	2.61	2.60	2.58	2.56	2.55	2.53	2.52	2.50	2.48	2.47	2.45	2.43	2.42	2.40	2.39	2.37	2.35	2.34	2.32	2.30	2.29	2.27	2.26
75.2	2.68	2.66	2.64	2.63	2.61	2.60	2.58	2.56	2.55	2.53	2.51	2.50	2.48	2.47	2.45	2.43	2.42	2.40	2.38	2.37	2.35	2.34	2.32	2.30	2.29
75.6	2.71	2.69	2.67	2.66	2.64	2.63	2.61	2.59	2.58	2.56	2.55	2.53	2.51	2.50	2.48	2.46	2.45	2.43	2.42	2.40	2.38	2.37	2.35	2.33	2.32
76.0	2.74	2.72	2.71	2.69	2.67	2.66	2.64	2.63	2.61	2.59	2.58	2.56	2.54	2.53	2.51	2.50	2.48	2.46	2.45	2.43	2.41	2.40	2.38	2.37	2.35
76.4	2.77	2.75	2.74	2.72	2.70	2.69	2.67	2.66	2.64	2.62	2.61	2.59	2.58	2.56	2.54	2.53	2.51	2.49	2.48	2.46	2.45	2.43	2.41	2.40	2.38
76.8	2.80	2.78	2.77	2.75	2.74	2.72	2.70	2.69	2.67	2.66	2.64	2.62	2.61	2.59	2.57	2.56	2.54	2.53	2.51	2.49	2.48	2.46	2.44	2.43	2.41
77.2	2.83	2.82	2.80	2.78	2.77	2.75	2.73	2.72	2.70	2.69	2.67	2.65	2.64	2.62	2.61	2.59	2.57	2.56	2.54	2.52	2.51	2.49	2.48	2.46	2.44
77.6	2.86	2.85	2.83	2.81	2.80	2.78	2.77	2.75	2.73	2.72	2.70	2.69	2.67	2.65	2.64	2.62	2.60	2.59	2.57	2.56	2.54	2.52	2.51	2.49	2.47
78.0	2.89	2.88	2.86	2.85	2.83	2.81	2.80	2.78	2.76	2.75	2.73	2.72	2.70	2.68	2.67	2.65	2.64	2.62	2.60	2.59	2.57	2.55	2.54	2.52	2.51
78.3	2.93	2.91	2.89	2.88	2.86	2.84	2.83	2.81	2.80	2.78	2.76	2.75	2.73	2.72	2.70	2.68	2.67	2.65	2.63	2.62	2.60	2.59	2.57	2.55	2.54
78.7	2.96	2.94	2.92	2.91	2.89	2.88	2.86	2.84	2.83	2.81	2.79	2.78	2.76	2.75	2.73	2.71	2.70	2.68	2.67	2.65	2.63	2.62	2.60	2.58	2.57
79.1	2.99	2.97	2.96	2.94	2.92	2.91	2.89	2.87	2.86	2.84	2.83	2.81	2.79	2.78	2.76	2.75	2.73	2.71	2.70	2.68	2.66	2.65	2.63	2.62	2.60
79.5	3.02	3.00	2.99	2.97	2.95	2.94	2.92	2.91	2.89	2.87	2.86	2.84	2.82	2.81	2.79	2.78	2.76	2.74	2.73	2.71	2.70	2.68	2.66	2.65	2.63
79.9	3.05	3.03	3.02	3.00	2.99	2.97	2.95	2.94	2.92	2.90	2.89	2.87	2.86	2.84	2.82	2.81	2.79	2.77	2.76	2.74	2.73	2.71	2.69	2.68	2.66
80.3	3.08	3.07	3.05	3.03	3.02	3.00	2.98	2.97	2.95	2.94	2.92	2.90	2.89	2.87	2.85	2.84	2.82	2.81	2.79	2.77	2.76	2.74	2.73	2.71	2.69
80.7	3.11	3.10	3.08	3.06	3.05	3.03	3.02	3.00	2.98	2.97	2.95	2.93	2.92	2.90	2.89	2.87	2.85	2.84	2.82	2.80	2.79	2.77	2.76	2.74	2.72
81.1	3.14	3.13	3.11	3.10	3.08	3.06	3.05	3.03	3.01	3.00	2.98	2.97	2.95	2.93	2.92	2.90	2.88	2.87	2.85	2.84	2.82	2.80	2.79	2.77	2.76
81.5	3.18	3.16	3.14	3.13	3.11	3.09	3.08	3.06	3.05	3.03	3.01	3.00	2.98	2.96	2.95	2.93	2.92	2.90	2.88	2.87	2.85	2.84	2.82	2.80	2.79
81.9	3.21	3.19	3.17	3.16	3.14	3.13	3.11	3.09	3.08	3.06	3.04	3.03	3.01	3.00	2.98	2.96	2.95	2.93	2.91	2.90	2.88	2.87	2.85	2.83	2.82
82.3	3.24	3.22	3.21	3.19	3.17	3.16	3.14	3.12	3.11	3.09	3.08	3.06	3.04	3.03	3.01	2.99	2.98	2.96	2.95	2.93	2.91	2.90	2.88	2.86	2.85
82.7	3.27	3.25	3.24	3.22	3.20	3.19	3.17	3.16	3.14	3.12	3.11	3.09	3.07	3.06	3.04	3.03	3.01	2.99	2.98	2.96	2.94	2.93	2.91	2.90	2.88

PREDICTION EQUATIONS FOR FEV1 FEMALES * 80% OF PREDICTED **

HEIGHT (IN)	AGE (YEARS) 22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
51.2	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.23	1.21	1.20	1.19	1.18	1.16	1.15	1.14	1.13	1.11	1.10	1.09	1.08	1.06	1.05
51.6	1.37	1.36	1.34	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24	1.23	1.22	1.20	1.19	1.18	1.17	1.15	1.14	1.13	1.12	1.10	1.09	1.08	1.07
52.0	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.30	1.28	1.27	1.26	1.25	1.23	1.22	1.21	1.20	1.18	1.17	1.16	1.15	1.13	1.12	1.11	1.10	1.08
52.4	1.40	1.39	1.38	1.36	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.22	1.21	1.20	1.19	1.17	1.16	1.15	1.14	1.12	1.11	1.10
52.8	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.25	1.24	1.23	1.22	1.20	1.19	1.18	1.17	1.15	1.14	1.13	1.11
53.1	1.43	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24	1.23	1.22	1.21	1.19	1.18	1.17	1.16	1.14	1.13
53.5	1.45	1.44	1.42	1.41	1.40	1.39	1.37	1.36	1.35	1.34	1.32	1.31	1.30	1.29	1.27	1.26	1.25	1.24	1.22	1.21	1.20	1.19	1.17	1.16	1.15
53.9	1.47	1.45	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.23	1.21	1.20	1.19	1.18	1.16
54.3	1.48	1.47	1.46	1.44	1.43	1.42	1.41	1.39	1.38	1.37	1.36	1.34	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24	1.23	1.22	1.20	1.19	1.18
54.7	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.30	1.28	1.27	1.26	1.25	1.23	1.22	1.21	1.20
55.1	1.51	1.50	1.49	1.48	1.46	1.45	1.44	1.43	1.41	1.40	1.39	1.38	1.36	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.22	1.21
55.5	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.25	1.24	1.23
55.9	1.55	1.53	1.52	1.51	1.50	1.48	1.47	1.46	1.45	1.43	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24
56.3	1.56	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.39	1.37	1.36	1.35	1.34	1.32	1.31	1.30	1.29	1.27	1.26
56.7	1.58	1.57	1.55	1.54	1.53	1.52	1.50	1.49	1.48	1.47	1.45	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.31	1.30	1.29	1.28
57.1	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.41	1.39	1.38	1.37	1.36	1.34	1.33	1.32	1.31	1.29
57.5	1.61	1.60	1.59	1.57	1.56	1.55	1.54	1.52	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31
57.9	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.53	1.51	1.50	1.49	1.48	1.46	1.45	1.44	1.43	1.41	1.40	1.39	1.38	1.36	1.35	1.34	1.33
58.3	1.64	1.63	1.62	1.61	1.59	1.58	1.57	1.56	1.54	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34
58.7	1.66	1.65	1.64	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.50	1.48	1.47	1.46	1.45	1.43	1.42	1.41	1.40	1.38	1.37	1.36
59.1	1.68	1.66	1.65	1.64	1.63	1.61	1.60	1.59	1.58	1.56	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.39	1.37
59.4	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.57	1.55	1.54	1.53	1.52	1.50	1.49	1.48	1.47	1.45	1.44	1.43	1.42	1.40	1.39
59.8	1.71	1.70	1.68	1.67	1.66	1.65	1.63	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.41
60.2	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.59	1.57	1.56	1.55	1.54	1.52	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42
60.6	1.74	1.73	1.72	1.70	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.53	1.51	1.50	1.49	1.48	1.46	1.45	1.44
61.0	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.66	1.64	1.63	1.62	1.61	1.59	1.58	1.57	1.56	1.54	1.53	1.52	1.51	1.49	1.48	1.47	1.46
61.4	1.77	1.76	1.75	1.74	1.72	1.71	1.70	1.69	1.67	1.66	1.65	1.63	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.50	1.48	1.47
61.8	1.79	1.78	1.76	1.75	1.74	1.73	1.71	1.70	1.69	1.68	1.66	1.65	1.64	1.63	1.61	1.60	1.59	1.58	1.56	1.55	1.54	1.53	1.51	1.50	1.49
62.2	1.81	1.79	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.57	1.55	1.54	1.53	1.52	1.50
62.6	1.82	1.81	1.80	1.78	1.77	1.76	1.75	1.73	1.72	1.71	1.70	1.68	1.67	1.66	1.65	1.63	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52
63.0	1.84	1.83	1.81	1.80	1.79	1.78	1.76	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.59	1.57	1.56	1.55	1.54
63.4	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.77	1.75	1.74	1.73	1.72	1.70	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55
63.8	1.87	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.66	1.64	1.63	1.62	1.61	1.59	1.58	1.57
64.2	1.89	1.87	1.86	1.85	1.84	1.82	1.81	1.80	1.79	1.77	1.76	1.75	1.74	1.72	1.71	1.70	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.58
64.6	1.90	1.89	1.88	1.87	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.73	1.71	1.70	1.69	1.68	1.66	1.65	1.64	1.63	1.61	1.60
65.0	1.92	1.91	1.89	1.88	1.87	1.86	1.84	1.83	1.82	1.81	1.79	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64	1.63	1.62
65.4	1.94	1.92	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.75	1.73	1.72	1.71	1.70	1.68	1.67	1.66	1.65	1.63
65.7	1.95	1.94	1.93	1.91	1.90	1.89	1.88	1.86	1.85	1.84	1.83	1.81	1.80	1.79	1.78	1.76	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65
66.1	1.97	1.96	1.94	1.93	1.92	1.91	1.89	1.88	1.87	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.77	1.75	1.74	1.73	1.72	1.70	1.69	1.68	1.67
66.5	1.98	1.97	1.96	1.95	1.93	1.92	1.91	1.90	1.88	1.87	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68
66.9	2.00	1.99	1.98	1.96	1.95	1.94	1.92	1.91	1.90	1.89	1.87	1.86	1.85	1.84	1.82	1.81	1.80	1.79	1.77	1.76	1.75	1.74	1.72	1.71	1.70
67.3	2.02	2.00	1.99	1.98	1.97	1.95	1.94	1.93	1.92	1.90	1.89	1.88	1.87	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.73	1.71
67.7	2.03	2.02	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.92	1.91	1.89	1.88	1.87	1.86	1.84	1.83	1.82	1.81	1.79	1.78	1.77	1.76	1.74	1.73
68.1	2.05	2.04	2.02	2.01	2.00	1.99	1.97	1.96	1.95	1.94	1.92	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.75
68.5	2.07	2.05	2.04	2.03	2.01	2.00	1.99	1.98	1.96	1.95	1.94	1.93	1.91	1.90	1.89	1.88	1.86	1.85	1.84	1.83	1.81	1.80	1.79	1.78	1.76
68.9	2.08	2.07	2.06	2.04	2.03	2.02	2.01	1.99	1.98	1.97	1.96	1.94	1.93	1.92	1.91	1.89	1.88	1.87	1.85	1.84	1.83	1.82	1.80	1.79	1.78
69.3	2.10	2.09	2.07	2.06	2.05	2.03	2.02	2.01	2.00	1.98	1.97	1.96	1.95	1.93	1.92	1.91	1.90	1.88	1.87	1.86	1.85	1.83	1.82	1.81	1.80
69.7	2.11	2.10	2.09	2.08	2.06	2.05	2.04	2.03	2.01	2.00	1.99	1.98	1.96	1.95	1.94	1.92	1.91	1.90	1.89	1.87	1.86	1.85	1.84	1.82	1.81
70.1	2.13	2.12	2.10	2.09	2.08	2.07	2.05	2.04	2.03	2.02	2.00	1.99	1.98	1.97	1.95	1.94	1.93	1.92	1.90	1.89	1.88	1.87	1.85	1.84	1.83
70.5	2.15	2.13	2.12	2.11	2.10	2.08	2.07	2.06	2.05	2.03	2.02	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.92	1.91	1.89	1.88	1.87	1.86	1.84
70.9	2.16	2.15	2.14	2.12	2.11	2.10	2.09	2.07	2.06	2.05	2.04	2.02	2.01	2.00	1.99	1.97	1.96	1.95	1.94	1.92	1.91	1.90	1.89	1.87	1.86
71.3	2.18	2.17	2.15	2.14	2.13	2.12	2.10	2.09	2.08	2.07	2.05	2.04	2.03	2.01	2.00	1.99	1.98	1.96	1.95	1.94	1.93	1.91	1.90	1.89	1.88
71.7	2.19	2.18	2.17	2.16	2.14	2.13	2.12	2.11	2.09	2.08	2.07	2.06	2.04	2.03	2.02	2.01	1.99	1.98	1.97	1.96	1.94	1.93	1.92	1.91	1.89
72.0	2.21	2.20	2.19	2.17	2.16	2.15	2.14	2.12	2.11	2.10	2.09	2.07	2.06	2.05	2.03	2.02	2.01	2.00	1.98	1.97	1.96	1.95	1.93	1.92	1.91
72.4	2.23	2.21	2.20	2.19	2.18	2.16	2.15	2.14	2.13	2.11	2.10	2.09	2.08	2.06	2.05	2.04	2.03	2.01	2.00	1.99	1.98	1.96	1.95	1.94	1.92
72.8	2.24	2.23	2.22	2.21	2.19	2.18	2.17	2.16	2.14	2.13	2.12	2.10	2.09	2.08	2.07	2.05	2.04	2.03	2.02	2.00	1.99	1.98	1.97	1.95	1.94
73.2	2.26	2.25	2.23	2.22	2.21	2.20	2.18	2.17	2.16	2.15	2.13	2.12	2.11	2.10	2.08	2.07	2.06	2.05	2.03	2.02	2.01	2.00	1.98	1.97	1.96
73.6	2.28	2.26	2.25	2.24	2.23	2.21	2.20	2.19	2.18	2.16	2.15	2.14	2.12	2.11	2.10	2.09	2.07	2.06	2.05	2.04	2.02	2.01	2.00	1.99	1.97
74.0	2.29	2.28	2.27	2.25	2.24	2.23	2.22	2.20	2.19	2.18	2.17	2.15	2.14	2.13	2.12	2.10	2.09	2.08	2.07	2.05	2.04	2.03	2.01	2.00	1.99
74.4	2.31	2.30	2.28	2.27	2.26	2.25	2.23	2.22	2.21	2.19	2.18	2.17	2.16	2.14	2.13	2.12	2.11	2.09	2.08	2.07	2.06	2.04	2.03	2.02	2.01
74.8	2.32	2.31	2.30	2.29	2.27	2.26	2.25	2.24	2.22	2.21	2.20	2.19	2.17	2.16	2.15	2.14	2.12	2.11	2.10	2.09	2.07	2.06	2.05	2.03	2.02

PREDICTION EQUATIONS FOR FEV1 FEMALES * 60% OF PREDICTED **

HEIGHT	AGE (YEARS)																								
(IN)	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
51.2	1.04	1.02	1.01	1.00	0.99	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.82	0.81	0.80	0.79	0.77	0.76	0.75	0.73
51.6	1.05	1.04	1.03	1.02	1.00	0.99	0.98	0.97	0.95	0.94	0.93	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.78	0.76	0.75
52.0	1.07	1.06	1.04	1.03	1.02	1.01	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.79	0.78	0.77
52.4	1.09	1.07	1.06	1.05	1.04	1.02	1.01	1.00	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80	0.78
52.8	1.10	1.09	1.08	1.06	1.05	1.04	1.03	1.01	1.00	0.99	0.98	0.96	0.95	0.94	0.93	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.81	0.80
53.1	1.12	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.00	0.99	0.98	0.97	0.95	0.94	0.93	0.92	0.90	0.89	0.88	0.87	0.85	0.84	0.83	0.82
53.5	1.13	1.12	1.11	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.98	0.97	0.96	0.95	0.93	0.92	0.91	0.90	0.88	0.87	0.86	0.84	0.83
53.9	1.15	1.14	1.13	1.11	1.10	1.09	1.08	1.06	1.05	1.04	1.02	1.01	1.00	0.99	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.89	0.87	0.86	0.85
54.3	1.17	1.15	1.14	1.13	1.12	1.10	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.00	0.99	0.98	0.97	0.95	0.94	0.93	0.92	0.90	0.89	0.88	0.86
54.7	1.18	1.17	1.16	1.15	1.13	1.12	1.11	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.01	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.89	0.88
55.1	1.20	1.19	1.17	1.16	1.15	1.14	1.12	1.11	1.10	1.09	1.07	1.06	1.05	1.04	1.02	1.01	1.00	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.90
55.5	1.22	1.20	1.19	1.18	1.17	1.15	1.14	1.13	1.11	1.10	1.09	1.08	1.06	1.05	1.04	1.03	1.01	1.00	0.99	0.98	0.96	0.95	0.94	0.93	0.91
55.9	1.23	1.22	1.21	1.19	1.18	1.17	1.16	1.14	1.13	1.12	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.00	0.99	0.98	0.97	0.95	0.94	0.93
56.3	1.25	1.24	1.22	1.21	1.20	1.19	1.17	1.16	1.15	1.13	1.12	1.11	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.98	0.97	0.96	0.95
56.7	1.26	1.25	1.24	1.23	1.21	1.20	1.19	1.18	1.16	1.15	1.14	1.13	1.11	1.10	1.09	1.08	1.06	1.05	1.04	1.02	1.01	1.00	0.99	0.97	0.96
57.1	1.28	1.27	1.26	1.24	1.23	1.22	1.20	1.19	1.18	1.17	1.15	1.14	1.13	1.12	1.10	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.00	0.99	0.98
57.5	1.30	1.28	1.27	1.26	1.25	1.23	1.22	1.21	1.20	1.18	1.17	1.16	1.15	1.13	1.12	1.11	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.01	0.99
57.9	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.22	1.21	1.20	1.19	1.17	1.16	1.15	1.14	1.12	1.11	1.10	1.09	1.07	1.06	1.05	1.04	1.02	1.01
58.3	1.33	1.32	1.30	1.29	1.28	1.27	1.25	1.24	1.23	1.22	1.20	1.19	1.18	1.17	1.15	1.14	1.13	1.11	1.10	1.09	1.08	1.06	1.05	1.04	1.03
58.7	1.35	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24	1.23	1.22	1.21	1.19	1.18	1.17	1.16	1.14	1.13	1.12	1.11	1.09	1.08	1.07	1.06	1.04
59.1	1.36	1.35	1.34	1.32	1.31	1.30	1.29	1.27	1.26	1.25	1.24	1.22	1.21	1.20	1.19	1.17	1.16	1.15	1.13	1.12	1.11	1.10	1.08	1.07	1.06
59.4	1.38	1.37	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.23	1.21	1.20	1.19	1.18	1.16	1.15	1.14	1.13	1.11	1.10	1.09	1.08
59.8	1.39	1.38	1.37	1.36	1.34	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24	1.23	1.22	1.20	1.19	1.18	1.17	1.15	1.14	1.13	1.12	1.10	1.09
60.2	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.30	1.28	1.27	1.26	1.25	1.23	1.22	1.21	1.20	1.18	1.17	1.16	1.15	1.13	1.12	1.11
60.6	1.43	1.41	1.40	1.39	1.38	1.36	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.22	1.21	1.20	1.19	1.17	1.16	1.15	1.14	1.12
61.0	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.25	1.24	1.23	1.22	1.20	1.19	1.18	1.17	1.15	1.14
61.4	1.46	1.45	1.43	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24	1.23	1.22	1.21	1.19	1.18	1.17	1.16
61.8	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.39	1.37	1.36	1.35	1.34	1.32	1.31	1.30	1.29	1.27	1.26	1.25	1.24	1.22	1.21	1.20	1.19	1.17
62.2	1.49	1.48	1.47	1.45	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.23	1.21	1.20	1.19
62.6	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.41	1.39	1.38	1.37	1.36	1.34	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24	1.23	1.22	1.20
63.0	1.52	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.30	1.28	1.27	1.26	1.25	1.23	1.22
63.4	1.54	1.53	1.51	1.50	1.49	1.48	1.46	1.45	1.44	1.43	1.41	1.40	1.39	1.38	1.36	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26	1.25	1.24
63.8	1.56	1.54	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.25
64.2	1.57	1.56	1.55	1.53	1.52	1.51	1.50	1.48	1.47	1.46	1.45	1.43	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.29	1.28	1.27
64.6	1.59	1.58	1.56	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.39	1.37	1.36	1.35	1.34	1.32	1.31	1.30	1.29
65.0	1.60	1.59	1.58	1.57	1.55	1.54	1.53	1.52	1.50	1.49	1.48	1.47	1.45	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.31	1.30
65.4	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.41	1.39	1.38	1.37	1.36	1.34	1.33	1.32
65.7	1.64	1.62	1.61	1.60	1.59	1.57	1.56	1.55	1.54	1.52	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33
66.1	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.53	1.51	1.50	1.49	1.48	1.46	1.45	1.44	1.43	1.41	1.40	1.39	1.38	1.36	1.35
66.5	1.67	1.66	1.64	1.63	1.62	1.61	1.59	1.58	1.57	1.56	1.54	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.37
66.9	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.50	1.48	1.47	1.46	1.45	1.43	1.42	1.41	1.40	1.38
67.3	1.70	1.69	1.68	1.66	1.65	1.64	1.63	1.61	1.60	1.59	1.58	1.56	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40
67.7	1.72	1.71	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.57	1.55	1.54	1.53	1.52	1.50	1.49	1.48	1.47	1.45	1.44	1.43	1.42
68.1	1.73	1.72	1.71	1.70	1.68	1.67	1.66	1.65	1.63	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43
68.5	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.59	1.57	1.56	1.55	1.54	1.52	1.51	1.50	1.49	1.47	1.46	1.45
68.9	1.77	1.75	1.74	1.73	1.72	1.70	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.53	1.51	1.50	1.49	1.48	1.46
69.3	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.66	1.64	1.63	1.62	1.61	1.59	1.58	1.57	1.56	1.54	1.53	1.52	1.51	1.49	1.48
69.7	1.80	1.79	1.77	1.76	1.75	1.74	1.72	1.71	1.70	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.50
70.1	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.73	1.71	1.70	1.69	1.68	1.66	1.65	1.64	1.63	1.61	1.60	1.59	1.58	1.56	1.55	1.54	1.53	1.51
70.5	1.83	1.82	1.81	1.79	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.57	1.55	1.54	1.53
70.9	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.75	1.73	1.72	1.71	1.70	1.68	1.67	1.66	1.65	1.63	1.62	1.61	1.60	1.58	1.57	1.56	1.55
71.3	1.86	1.85	1.84	1.83	1.81	1.80	1.79	1.78	1.76	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.59	1.57	1.56
71.7	1.88	1.87	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.77	1.75	1.74	1.73	1.72	1.70	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58
72.0	1.90	1.88	1.87	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.66	1.64	1.63	1.62	1.61	1.59
72.4	1.91	1.90	1.89	1.87	1.86	1.85	1.84	1.82	1.81	1.80	1.79	1.77	1.76	1.75	1.74	1.72	1.71	1.70	1.69	1.67	1.66	1.65	1.63	1.62	1.61
72.8	1.93	1.92	1.90	1.89	1.88	1.87	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.73	1.71	1.70	1.69	1.68	1.66	1.65	1.64	1.63
73.2	1.94	1.93	1.92	1.91	1.89	1.88	1.87	1.86	1.84	1.83	1.82	1.81	1.79	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64
73.6	1.96	1.95	1.94	1.92	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.75	1.73	1.72	1.71	1.70	1.68	1.67	1.66
74.0	1.98	1.96	1.95	1.94	1.93	1.91	1.90	1.89	1.88	1.86	1.85	1.84	1.83	1.81	1.80	1.79	1.78	1.76	1.75	1.74	1.73	1.71	1.70	1.69	1.67
74.4	1.99	1.98	1.97	1.96	1.94	1.93	1.92	1.91	1.89	1.88	1.87	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.77	1.75	1.74	1.73	1.72	1.70	1.69
74.8	2.01	2.00	1.98	1.97	1.96	1.95	1.93	1.92	1.91	1.90	1.88	1.87	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.71

PREDICTION EQUATIONS FOR FVC MALES * 60% OF PREDICTED **

HEIGHT	AGE (YEARS)																								
(IN)	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
59.1	2.22	2.27	2.32	2.14	2.12	2.10	2.09	2.07	2.05	2.04	2.02	2.00	1.98	1.97	1.95	1.93	1.91	1.90	1.88	1.86	1.84	1.83	1.81	1.79	1.77
59.4	2.25	2.30	2.35	2.18	2.16	2.14	2.13	2.11	2.09	2.07	2.06	2.04	2.02	2.00	1.99	1.97	1.95	1.93	1.92	1.90	1.88	1.87	1.85	1.83	1.81
59.8	2.28	2.33	2.38	2.22	2.20	2.18	2.17	2.15	2.13	2.11	2.10	2.08	2.06	2.04	2.03	2.01	1.99	1.97	1.96	1.94	1.92	1.90	1.89	1.87	1.85
60.2	2.31	2.36	2.41	2.26	2.24	2.22	2.20	2.19	2.17	2.15	2.13	2.12	2.10	2.08	2.07	2.05	2.03	2.01	2.00	1.98	1.96	1.94	1.93	1.91	1.89
60.6	2.34	2.39	2.44	2.30	2.28	2.26	2.24	2.23	2.21	2.19	2.17	2.16	2.14	2.12	2.10	2.09	2.07	2.05	2.03	2.02	2.00	1.98	1.96	1.95	1.93
61.0	2.37	2.42	2.47	2.33	2.32	2.30	2.28	2.26	2.25	2.23	2.21	2.20	2.18	2.16	2.14	2.13	2.11	2.09	2.07	2.06	2.04	2.02	2.00	1.99	1.97
61.4	2.40	2.45	2.50	2.37	2.36	2.34	2.32	2.30	2.29	2.27	2.25	2.23	2.22	2.20	2.18	2.16	2.15	2.13	2.11	2.10	2.08	2.06	2.04	2.03	2.01
61.8	2.43	2.48	2.53	2.41	2.40	2.38	2.36	2.34	2.33	2.31	2.29	2.27	2.26	2.24	2.22	2.20	2.19	2.17	2.15	2.13	2.12	2.10	2.08	2.06	2.05
62.2	2.46	2.51	2.56	2.45	2.43	2.42	2.40	2.38	2.36	2.35	2.33	2.31	2.29	2.28	2.26	2.24	2.23	2.21	2.19	2.17	2.16	2.14	2.12	2.10	2.09
62.6	2.49	2.54	2.59	2.49	2.47	2.46	2.44	2.42	2.40	2.39	2.37	2.35	2.33	2.32	2.30	2.28	2.26	2.25	2.23	2.21	2.19	2.18	2.16	2.14	2.13
63.0	2.52	2.57	2.62	2.53	2.51	2.49	2.48	2.46	2.44	2.43	2.41	2.39	2.37	2.36	2.34	2.32	2.30	2.29	2.27	2.25	2.23	2.22	2.20	2.18	2.16
63.4	2.55	2.60	2.65	2.57	2.55	2.53	2.52	2.50	2.48	2.46	2.45	2.43	2.41	2.39	2.38	2.36	2.34	2.32	2.31	2.29	2.27	2.26	2.24	2.22	2.20
63.8	2.58	2.63	2.68	2.61	2.59	2.57	2.56	2.54	2.52	2.50	2.49	2.47	2.45	2.43	2.42	2.40	2.38	2.36	2.35	2.33	2.31	2.29	2.28	2.26	2.24
64.2	2.61	2.66	2.71	2.65	2.63	2.61	2.59	2.58	2.56	2.54	2.52	2.51	2.49	2.47	2.46	2.44	2.42	2.40	2.39	2.37	2.35	2.33	2.32	2.30	2.28
64.6	2.64	2.69	2.74	2.69	2.67	2.65	2.63	2.62	2.60	2.58	2.56	2.55	2.53	2.51	2.49	2.48	2.46	2.44	2.42	2.41	2.39	2.37	2.36	2.34	2.32
65.0	2.67	2.72	2.77	2.72	2.71	2.69	2.67	2.65	2.64	2.62	2.60	2.59	2.57	2.55	2.53	2.52	2.50	2.48	2.46	2.45	2.43	2.41	2.39	2.38	2.36
65.4	2.70	2.75	2.80	2.76	2.75	2.73	2.71	2.69	2.68	2.66	2.64	2.62	2.61	2.59	2.57	2.55	2.54	2.52	2.50	2.49	2.47	2.45	2.43	2.42	2.40
65.7	2.73	2.78	2.83	2.80	2.79	2.77	2.75	2.73	2.72	2.70	2.68	2.66	2.65	2.63	2.61	2.59	2.58	2.56	2.54	2.52	2.51	2.49	2.47	2.45	2.44
66.1	2.76	2.81	2.86	2.84	2.82	2.81	2.79	2.77	2.75	2.74	2.72	2.70	2.68	2.67	2.65	2.63	2.62	2.60	2.58	2.56	2.55	2.53	2.51	2.49	2.48
66.5	2.79	2.84	2.89	2.88	2.86	2.85	2.83	2.81	2.79	2.78	2.76	2.74	2.72	2.71	2.69	2.67	2.65	2.64	2.62	2.60	2.58	2.57	2.55	2.53	2.52
66.9	2.82	2.87	2.92	2.92	2.90	2.88	2.87	2.85	2.83	2.82	2.80	2.78	2.76	2.75	2.73	2.71	2.69	2.68	2.66	2.64	2.62	2.61	2.59	2.57	2.55
67.3	2.85	2.90	2.95	2.96	2.94	2.92	2.91	2.89	2.87	2.85	2.84	2.82	2.80	2.78	2.77	2.75	2.73	2.71	2.70	2.68	2.66	2.65	2.63	2.61	2.59
67.7	2.88	2.93	2.98	3.00	2.98	2.96	2.95	2.93	2.91	2.89	2.88	2.86	2.84	2.82	2.81	2.79	2.77	2.75	2.74	2.72	2.70	2.68	2.67	2.65	2.63
68.1	2.91	2.96	3.01	3.04	3.02	3.00	2.98	2.97	2.95	2.93	2.91	2.90	2.88	2.86	2.85	2.83	2.81	2.79	2.78	2.76	2.74	2.72	2.71	2.69	2.67
68.5	2.94	2.99	3.04	3.08	3.06	3.04	3.02	3.01	2.99	2.97	2.95	2.94	2.92	2.90	2.88	2.87	2.85	2.83	2.81	2.80	2.78	2.76	2.74	2.73	2.71
68.9	2.97	3.02	3.07	3.11	3.10	3.08	3.06	3.05	3.03	3.01	2.99	2.98	2.96	2.94	2.92	2.91	2.89	2.87	2.85	2.84	2.82	2.80	2.78	2.77	2.75
69.3	3.00	3.05	3.10	3.15	3.14	3.12	3.10	3.08	3.07	3.05	3.03	3.01	3.00	2.98	2.96	2.94	2.93	2.91	2.89	2.88	2.86	2.84	2.82	2.81	2.79
69.7	3.03	3.08	3.13	3.19	3.18	3.16	3.14	3.12	3.11	3.09	3.07	3.05	3.04	3.02	3.00	2.98	2.97	2.95	2.93	2.91	2.90	2.88	2.86	2.84	2.83
70.1	3.06	3.11	3.16	3.23	3.21	3.20	3.18	3.16	3.14	3.13	3.11	3.09	3.07	3.06	3.04	3.02	3.01	2.99	2.97	2.95	2.94	2.92	2.90	2.88	2.87
70.5	3.09	3.14	3.19	3.27	3.25	3.24	3.22	3.20	3.18	3.17	3.15	3.13	3.11	3.10	3.08	3.06	3.04	3.03	3.01	2.99	2.97	2.96	2.94	2.92	2.91
70.9	3.12	3.17	3.22	3.31	3.29	3.27	3.26	3.24	3.22	3.21	3.19	3.17	3.15	3.14	3.12	3.10	3.08	3.07	3.05	3.03	3.01	3.00	2.98	2.96	2.94
71.3	3.15	3.20	3.25	3.35	3.33	3.31	3.30	3.28	3.26	3.24	3.23	3.21	3.19	3.17	3.16	3.14	3.12	3.10	3.09	3.07	3.05	3.04	3.02	3.00	2.98
71.7	3.18	3.23	3.28	3.39	3.37	3.35	3.34	3.32	3.30	3.28	3.27	3.25	3.23	3.21	3.20	3.18	3.16	3.14	3.13	3.11	3.09	3.07	3.06	3.04	3.02
72.0	3.21	3.26	3.31	3.43	3.41	3.39	3.37	3.36	3.34	3.32	3.30	3.29	3.27	3.25	3.24	3.22	3.20	3.18	3.17	3.15	3.13	3.11	3.10	3.08	3.06
72.4	3.24	3.29	3.34	3.47	3.45	3.43	3.41	3.40	3.38	3.36	3.34	3.33	3.31	3.29	3.27	3.26	3.24	3.22	3.20	3.19	3.17	3.15	3.13	3.12	3.10
72.8	3.27	3.32	3.37	3.50	3.49	3.47	3.45	3.43	3.42	3.40	3.38	3.37	3.35	3.33	3.31	3.30	3.28	3.26	3.24	3.23	3.21	3.19	3.17	3.16	3.14
73.2	3.30	3.35	3.40	3.54	3.53	3.51	3.49	3.47	3.46	3.44	3.42	3.40	3.39	3.37	3.35	3.33	3.32	3.30	3.28	3.27	3.25	3.23	3.21	3.20	3.18
73.6	3.33	3.38	3.43	3.58	3.57	3.55	3.53	3.51	3.50	3.48	3.46	3.44	3.43	3.41	3.39	3.37	3.36	3.34	3.32	3.30	3.29	3.27	3.25	3.23	3.22
74.0	3.36	3.41	3.46	3.62	3.60	3.59	3.57	3.55	3.53	3.52	3.50	3.48	3.46	3.45	3.43	3.41	3.40	3.38	3.36	3.34	3.33	3.31	3.29	3.27	3.26
74.4	3.39	3.44	3.49	3.66	3.64	3.63	3.61	3.59	3.57	3.56	3.54	3.52	3.50	3.49	3.47	3.45	3.43	3.42	3.40	3.38	3.36	3.35	3.33	3.31	3.30
74.8	3.42	3.47	3.52	3.70	3.68	3.66	3.65	3.63	3.61	3.60	3.58	3.56	3.54	3.53	3.51	3.49	3.47	3.46	3.44	3.42	3.40	3.39	3.37	3.35	3.33
75.2	3.45	3.50	3.55	3.74	3.72	3.70	3.69	3.67	3.65	3.63	3.62	3.60	3.58	3.56	3.55	3.53	3.51	3.50	3.48	3.46	3.44	3.43	3.41	3.39	3.37
75.6	3.48	3.53	3.58	3.78	3.76	3.74	3.73	3.71	3.69	3.67	3.66	3.64	3.62	3.60	3.59	3.57	3.55	3.53	3.52	3.50	3.48	3.46	3.45	3.43	3.41
76.0	3.51	3.56	3.61	3.82	3.80	3.78	3.76	3.75	3.73	3.71	3.69	3.68	3.66	3.64	3.63	3.61	3.59	3.57	3.56	3.54	3.52	3.50	3.49	3.47	3.45
76.4	3.54	3.59	3.64	3.86	3.84	3.82	3.80	3.79	3.77	3.75	3.73	3.72	3.70	3.68	3.66	3.65	3.63	3.61	3.59	3.58	3.56	3.54	3.52	3.51	3.49
76.8	3.57	3.62	3.67	3.89	3.88	3.86	3.84	3.82	3.81	3.79	3.77	3.76	3.74	3.72	3.70	3.69	3.67	3.65	3.63	3.62	3.60	3.58	3.56	3.55	3.53
77.2	3.60	3.65	3.70	3.93	3.92	3.90	3.88	3.86	3.85	3.83	3.81	3.79	3.78	3.76	3.74	3.72	3.71	3.69	3.67	3.66	3.64	3.62	3.60	3.59	3.57
77.6	3.63	3.68	3.73	3.97	3.96	3.94	3.92	3.90	3.89	3.87	3.85	3.83	3.82	3.80	3.78	3.76	3.75	3.73	3.71	3.69	3.68	3.66	3.64	3.62	3.61
78.0	3.66	3.71	3.76	4.01	3.99	3.98	3.96	3.94	3.92	3.91	3.89	3.87	3.86	3.84	3.82	3.80	3.79	3.77	3.75	3.73	3.72	3.70	3.68	3.66	3.65
78.3	3.69	3.74	3.79	4.05	4.03	4.02	4.00	3.98	3.96	3.95	3.93	3.91	3.89	3.88	3.86	3.84	3.82	3.81	3.79	3.77	3.75	3.74	3.72	3.70	3.69
78.7	3.72	3.77	3.82	4.09	4.07	4.05	4.04	4.02	4.00	3.99	3.97	3.95	3.93	3.92	3.90	3.88	3.86	3.85	3.83	3.81	3.79	3.78	3.76	3.74	3.72
79.1	3.75	3.80	3.85	4.13	4.11	4.09	4.08	4.06	4.04	4.02	4.01	3.99	3.97	3.95	3.94	3.92	3.90	3.88	3.87	3.85	3.83	3.82	3.80	3.78	3.76
79.5	3.78	3.83	3.88	4.17	4.15	4.13	4.12	4.10	4.08	4.06	4.05	4.03	4.01	3.99	3.98	3.96	3.94	3.92	3.91	3.89	3.87	3.85	3.84	3.82	3.80
79.9	3.81	3.86	3.91	4.21	4.19	4.17	4.15	4.14	4.12	4.10	4.08	4.07	4.05	4.03	4.02	4.00	3.98	3.96	3.95	3.93	3.91	3.89	3.88	3.86	3.84
80.3	3.84	3.89	3.94	4.25	4.23	4.21	4.19	4.18	4.16	4.14	4.12	4.11	4.09	4.07	4.05	4.04	4.02	4.00	3.98	3.97	3.95	3.93	3.91	3.90	3.88
80.7	3.87	3.92	3.97	4.28	4.27	4.25	4.23	4.22	4.20	4.18	4.16	4.15	4.13	4.11	4.09	4.08	4.06	4.04	4.02	4.01	3.99	3.97	3.95	3.94	3.92
81.1	3.90	3.95	4.00	4.32	4.31	4.29	4.27	4.25	4.24	4.22	4.20	4.18	4.17	4.15	4.13	4.11	4.10	4.08	4.06	4.05	4.03	4.01	3.99	3.98	3.96
81.5	3.93	3.98	4.03	4.36	4.35	4.33	4.31	4.29	4.28	4.26	4.24	4.22	4.21	4.19	4.17	4.15	4.14	4.12	4.10	4.08	4.07	4.05	4.03	4.01	4.00
81.9	3.96	4.01	4.06	4.40	4.38	4.37	4.35	4.33	4.31	4.30	4.28	4.26	4.24	4.23	4.21	4.19	4.18	4.16	4.14	4.12	4.11	4.09	4.07	4.05	4.04
82.3	3.99	4.04	4.09	4.44	4.42	4.41	4.39	4.37	4.35	4.34	4.32	4.30	4.28	4.27	4.25	4.23	4.21	4.20	4.18	4.16	4.14	4.13	4.11	4.09	4.08
82.7	4.02	4.07	4.12	4.48	4.46	4.44	4.43	4.41	4.39	4.38	4.36	4.34	4.32	4.31	4.29	4.27	4.25	4.24	4.22	4.20	4.18	4.17	4.15	4.13	4.11

PREDICTION EQUATIONS FOR FVC — MALES — * 60% OF PREDICTED **

HEIGHT (IN)	AGE (YEARS) 47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
59.1	1.76	1.74	1.72	1.70	1.69	1.67	1.65	1.63	1.62	1.60	1.58	1.57	1.55	1.53	1.51	1.50	1.48	1.46	1.44	1.43	1.41	1.39	1.37	1.36	1.34
59.4	1.80	1.78	1.76	1.74	1.73	1.71	1.69	1.67	1.66	1.64	1.62	1.60	1.59	1.57	1.55	1.53	1.52	1.50	1.48	1.47	1.45	1.43	1.41	1.40	1.38
59.8	1.83	1.82	1.80	1.78	1.77	1.75	1.73	1.71	1.70	1.68	1.66	1.64	1.63	1.61	1.59	1.57	1.56	1.54	1.52	1.50	1.49	1.47	1.45	1.43	1.42
60.2	1.87	1.86	1.84	1.82	1.80	1.79	1.77	1.75	1.73	1.72	1.70	1.68	1.66	1.65	1.63	1.61	1.60	1.58	1.56	1.54	1.53	1.51	1.49	1.47	1.46
60.6	1.91	1.90	1.88	1.86	1.84	1.83	1.81	1.79	1.77	1.76	1.74	1.72	1.70	1.69	1.67	1.65	1.63	1.62	1.60	1.58	1.56	1.55	1.53	1.51	1.50
61.0	1.95	1.93	1.92	1.90	1.88	1.86	1.85	1.83	1.81	1.80	1.78	1.76	1.74	1.73	1.71	1.69	1.67	1.66	1.64	1.62	1.60	1.59	1.57	1.55	1.53
61.4	1.99	1.97	1.96	1.94	1.92	1.90	1.89	1.87	1.85	1.83	1.82	1.80	1.78	1.76	1.75	1.73	1.71	1.69	1.68	1.66	1.64	1.63	1.61	1.59	1.57
61.8	2.03	2.01	2.00	1.98	1.96	1.94	1.93	1.91	1.89	1.87	1.86	1.84	1.82	1.80	1.79	1.77	1.75	1.73	1.72	1.70	1.68	1.66	1.65	1.63	1.61
62.2	2.07	2.05	2.03	2.02	2.00	1.98	1.96	1.95	1.93	1.91	1.89	1.88	1.86	1.84	1.83	1.81	1.79	1.77	1.76	1.74	1.72	1.70	1.69	1.67	1.65
62.6	2.11	2.09	2.07	2.06	2.04	2.02	2.00	1.99	1.97	1.95	1.93	1.92	1.90	1.88	1.86	1.85	1.83	1.81	1.79	1.78	1.76	1.74	1.73	1.71	1.69
63.0	2.15	2.13	2.11	2.09	2.08	2.06	2.04	2.02	2.01	1.99	1.97	1.96	1.94	1.92	1.90	1.89	1.87	1.85	1.83	1.82	1.80	1.78	1.76	1.75	1.73
63.4	2.19	2.17	2.15	2.13	2.12	2.10	2.08	2.06	2.05	2.03	2.01	1.99	1.98	1.96	1.94	1.92	1.91	1.89	1.87	1.86	1.84	1.82	1.80	1.79	1.77
63.8	2.22	2.21	2.19	2.17	2.16	2.14	2.12	2.10	2.09	2.07	2.05	2.03	2.02	2.00	1.98	1.96	1.95	1.93	1.91	1.89	1.88	1.86	1.84	1.82	1.81
64.2	2.26	2.25	2.23	2.21	2.19	2.18	2.16	2.14	2.12	2.11	2.09	2.07	2.05	2.04	2.02	2.00	1.99	1.97	1.95	1.93	1.92	1.90	1.88	1.86	1.85
64.6	2.30	2.29	2.27	2.25	2.23	2.22	2.20	2.18	2.16	2.15	2.13	2.11	2.09	2.08	2.06	2.04	2.02	2.01	1.99	1.97	1.95	1.94	1.92	1.90	1.89
65.0	2.34	2.32	2.31	2.29	2.27	2.25	2.24	2.22	2.20	2.19	2.17	2.15	2.13	2.12	2.10	2.08	2.06	2.05	2.03	2.01	1.99	1.98	1.96	1.94	1.92
65.4	2.38	2.36	2.35	2.33	2.31	2.29	2.28	2.26	2.24	2.22	2.21	2.19	2.17	2.15	2.14	2.12	2.10	2.09	2.07	2.05	2.03	2.02	2.00	1.98	1.96
65.7	2.42	2.40	2.38	2.37	2.35	2.33	2.32	2.30	2.28	2.26	2.25	2.23	2.21	2.19	2.18	2.16	2.14	2.12	2.11	2.09	2.07	2.05	2.04	2.02	2.00
66.1	2.46	2.44	2.42	2.41	2.39	2.37	2.35	2.34	2.32	2.30	2.28	2.27	2.25	2.23	2.22	2.20	2.18	2.16	2.15	2.13	2.11	2.09	2.08	2.06	2.04
66.5	2.50	2.48	2.46	2.45	2.43	2.41	2.39	2.38	2.36	2.34	2.32	2.31	2.29	2.27	2.25	2.24	2.22	2.20	2.18	2.17	2.15	2.13	2.11	2.10	2.08
66.9	2.54	2.52	2.50	2.48	2.47	2.45	2.43	2.41	2.40	2.38	2.36	2.35	2.33	2.31	2.29	2.28	2.26	2.24	2.22	2.21	2.19	2.17	2.15	2.14	2.12
67.3	2.58	2.56	2.54	2.52	2.51	2.49	2.47	2.45	2.44	2.42	2.40	2.38	2.37	2.35	2.33	2.31	2.30	2.28	2.26	2.25	2.23	2.21	2.19	2.18	2.16
67.7	2.61	2.60	2.58	2.56	2.55	2.53	2.51	2.49	2.48	2.46	2.44	2.42	2.41	2.39	2.37	2.35	2.34	2.32	2.30	2.28	2.27	2.25	2.23	2.21	2.20
68.1	2.65	2.64	2.62	2.60	2.58	2.57	2.55	2.53	2.51	2.50	2.48	2.46	2.44	2.43	2.41	2.39	2.38	2.36	2.34	2.32	2.31	2.29	2.27	2.25	2.24
68.5	2.69	2.68	2.66	2.64	2.62	2.61	2.59	2.57	2.55	2.54	2.52	2.50	2.48	2.47	2.45	2.43	2.41	2.40	2.38	2.36	2.34	2.33	2.31	2.29	2.28
68.9	2.73	2.71	2.70	2.68	2.66	2.64	2.63	2.61	2.59	2.58	2.56	2.54	2.52	2.51	2.49	2.47	2.45	2.44	2.42	2.40	2.38	2.37	2.35	2.33	2.31
69.3	2.77	2.75	2.74	2.72	2.70	2.68	2.67	2.65	2.63	2.61	2.60	2.58	2.56	2.54	2.53	2.51	2.49	2.47	2.46	2.44	2.42	2.41	2.39	2.37	2.35
69.7	2.81	2.79	2.77	2.76	2.74	2.72	2.71	2.69	2.67	2.65	2.64	2.62	2.60	2.58	2.57	2.55	2.53	2.51	2.50	2.48	2.46	2.44	2.43	2.41	2.39
70.1	2.85	2.83	2.81	2.80	2.78	2.76	2.74	2.73	2.71	2.69	2.67	2.66	2.64	2.62	2.61	2.59	2.57	2.55	2.54	2.52	2.50	2.48	2.47	2.45	2.43
70.5	2.89	2.87	2.85	2.84	2.82	2.80	2.78	2.77	2.75	2.73	2.71	2.70	2.68	2.66	2.64	2.63	2.61	2.59	2.57	2.56	2.54	2.52	2.50	2.49	2.47
70.9	2.93	2.91	2.89	2.87	2.86	2.84	2.82	2.80	2.79	2.77	2.75	2.74	2.72	2.70	2.68	2.67	2.65	2.63	2.61	2.60	2.58	2.56	2.54	2.53	2.51
71.3	2.97	2.95	2.93	2.91	2.90	2.88	2.86	2.84	2.83	2.81	2.79	2.77	2.76	2.74	2.72	2.70	2.69	2.67	2.65	2.64	2.62	2.60	2.58	2.57	2.55
71.7	3.00	2.99	2.97	2.95	2.94	2.92	2.90	2.88	2.87	2.85	2.83	2.81	2.80	2.78	2.76	2.74	2.73	2.71	2.69	2.67	2.66	2.64	2.62	2.60	2.59
72.0	3.04	3.03	3.01	2.99	2.97	2.96	2.94	2.92	2.90	2.89	2.87	2.85	2.83	2.82	2.80	2.78	2.77	2.75	2.73	2.71	2.70	2.68	2.66	2.64	2.63
72.4	3.08	3.07	3.05	3.03	3.01	3.00	2.98	2.96	2.94	2.93	2.91	2.89	2.87	2.86	2.84	2.82	2.80	2.79	2.77	2.75	2.73	2.72	2.70	2.68	2.67
72.8	3.12	3.10	3.09	3.07	3.05	3.03	3.02	3.00	2.98	2.97	2.95	2.93	2.91	2.90	2.88	2.86	2.84	2.83	2.81	2.79	2.77	2.76	2.74	2.72	2.70
73.2	3.16	3.14	3.13	3.11	3.09	3.07	3.06	3.04	3.02	3.00	2.99	2.97	2.95	2.93	2.92	2.90	2.88	2.86	2.85	2.83	2.81	2.80	2.78	2.76	2.74
73.6	3.20	3.18	3.16	3.15	3.13	3.11	3.10	3.08	3.06	3.04	3.03	3.01	2.99	2.97	2.96	2.94	2.92	2.90	2.89	2.87	2.85	2.83	2.82	2.80	2.78
74.0	3.24	3.22	3.20	3.19	3.17	3.15	3.13	3.12	3.10	3.08	3.06	3.05	3.03	3.01	3.00	2.98	2.96	2.94	2.93	2.91	2.89	2.87	2.86	2.84	2.82
74.4	3.28	3.26	3.24	3.23	3.21	3.19	3.17	3.16	3.14	3.12	3.10	3.09	3.07	3.05	3.03	3.02	3.00	2.98	2.96	2.95	2.93	2.91	2.89	2.88	2.86
74.8	3.32	3.30	3.28	3.26	3.25	3.23	3.21	3.19	3.18	3.16	3.14	3.13	3.11	3.09	3.07	3.06	3.04	3.02	3.00	2.99	2.97	2.95	2.93	2.92	2.90
75.2	3.36	3.34	3.32	3.30	3.29	3.27	3.25	3.23	3.22	3.20	3.18	3.16	3.15	3.13	3.11	3.09	3.08	3.06	3.04	3.03	3.01	2.99	2.97	2.96	2.94
75.6	3.39	3.38	3.36	3.34	3.33	3.31	3.29	3.27	3.26	3.24	3.22	3.20	3.19	3.17	3.15	3.13	3.12	3.10	3.08	3.06	3.05	3.03	3.01	2.99	2.98
76.0	3.43	3.42	3.40	3.38	3.36	3.35	3.33	3.31	3.29	3.28	3.26	3.24	3.22	3.21	3.19	3.17	3.16	3.14	3.12	3.10	3.09	3.07	3.05	3.03	3.02
76.4	3.47	3.46	3.44	3.42	3.40	3.39	3.37	3.35	3.33	3.32	3.30	3.28	3.26	3.25	3.23	3.21	3.19	3.18	3.16	3.14	3.12	3.11	3.09	3.07	3.06
76.8	3.51	3.49	3.48	3.46	3.44	3.42	3.41	3.39	3.37	3.36	3.34	3.32	3.30	3.29	3.27	3.25	3.23	3.22	3.20	3.18	3.16	3.15	3.13	3.11	3.09
77.2	3.55	3.53	3.52	3.50	3.48	3.46	3.45	3.43	3.41	3.39	3.38	3.36	3.34	3.32	3.31	3.29	3.27	3.25	3.24	3.22	3.20	3.19	3.17	3.15	3.13
77.6	3.59	3.57	3.55	3.54	3.52	3.50	3.49	3.47	3.45	3.43	3.42	3.40	3.38	3.36	3.35	3.33	3.31	3.29	3.28	3.26	3.24	3.22	3.21	3.19	3.17
78.0	3.63	3.61	3.59	3.58	3.56	3.54	3.52	3.51	3.49	3.47	3.45	3.44	3.42	3.40	3.39	3.37	3.35	3.33	3.32	3.30	3.28	3.26	3.25	3.23	3.21
78.3	3.67	3.65	3.63	3.62	3.60	3.58	3.56	3.55	3.53	3.51	3.49	3.48	3.46	3.44	3.42	3.41	3.39	3.37	3.35	3.34	3.32	3.30	3.28	3.27	3.25
78.7	3.71	3.69	3.67	3.65	3.64	3.62	3.60	3.59	3.57	3.55	3.53	3.52	3.50	3.48	3.46	3.45	3.43	3.41	3.39	3.38	3.36	3.34	3.32	3.31	3.29
79.1	3.75	3.73	3.71	3.69	3.68	3.66	3.64	3.62	3.61	3.59	3.57	3.55	3.54	3.52	3.50	3.48	3.47	3.45	3.43	3.42	3.40	3.38	3.36	3.35	3.33
79.5	3.78	3.77	3.75	3.73	3.72	3.70	3.68	3.66	3.65	3.63	3.61	3.59	3.58	3.56	3.54	3.52	3.51	3.49	3.47	3.45	3.44	3.42	3.40	3.38	3.37
79.9	3.82	3.81	3.79	3.77	3.75	3.74	3.72	3.70	3.68	3.67	3.65	3.63	3.62	3.60	3.58	3.56	3.55	3.53	3.51	3.49	3.48	3.46	3.44	3.42	3.41
80.3	3.86	3.85	3.83	3.81	3.79	3.78	3.76	3.74	3.72	3.71	3.69	3.67	3.65	3.64	3.62	3.60	3.58	3.57	3.55	3.53	3.51	3.50	3.48	3.46	3.45
80.7	3.90	3.88	3.87	3.85	3.83	3.81	3.80	3.78	3.76	3.75	3.73	3.71	3.69	3.68	3.66	3.64	3.62	3.61	3.59	3.57	3.55	3.54	3.52	3.50	3.48
81.1	3.94	3.92	3.91	3.89	3.87	3.85	3.84	3.82	3.80	3.78	3.77	3.75	3.73	3.71	3.70	3.68	3.66	3.64	3.63	3.61	3.59	3.58	3.56	3.54	3.52
81.5	3.98	3.96	3.94	3.93	3.91	3.89	3.88	3.86	3.84	3.82	3.81	3.79	3.77	3.75	3.74	3.72	3.70	3.68	3.67	3.65	3.63	3.61	3.60	3.58	3.56
81.9	4.02	4.00	3.98	3.97	3.95	3.93	3.91	3.90	3.88	3.86	3.84	3.83	3.81	3.79	3.78	3.76	3.74	3.72	3.71	3.69	3.67	3.65	3.64	3.62	3.60
82.3	4.06	4.04	4.02	4.01	3.99	3.97	3.95	3.94	3.92	3.90	3.88	3.87	3.85	3.83	3.81	3.80	3.78	3.76	3.74	3.73	3.71	3.69	3.67	3.66	3.64
82.7	4.10	4.08	4.06	4.04	4.03	4.01	3.99	3.97	3.96	3.94	3.92	3.91	3.89	3.87	3.85	3.84	3.82	3.80	3.78	3.77	3.75	3.73	3.71	3.70	3.68

PREDICTION EQUATIONS FOR FVC FEMALES * 60% OF PREDICTED **

HEIGHT (IN)	AGE (YEARS) 22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
51.2	1.53	1.52	1.50	1.49	1.48	1.47	1.45	1.44	1.43	1.41	1.40	1.39	1.37	1.36	1.35	1.33	1.32	1.31	1.29	1.28	1.27	1.25	1.24	1.23	1.21
51.6	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.43	1.42	1.41	1.40	1.38	1.37	1.36	1.34	1.33	1.32	1.30	1.29	1.28	1.26	1.25	1.24
52.0	1.58	1.56	1.55	1.54	1.52	1.51	1.50	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.36	1.35	1.34	1.32	1.31	1.30	1.29	1.27	1.26
52.4	1.60	1.58	1.57	1.56	1.54	1.53	1.52	1.51	1.49	1.48	1.47	1.45	1.44	1.43	1.41	1.40	1.39	1.37	1.36	1.35	1.33	1.32	1.31	1.29	1.28
52.8	1.62	1.61	1.59	1.58	1.57	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.44	1.42	1.41	1.40	1.38	1.37	1.36	1.34	1.33	1.32	1.30
53.1	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.52	1.51	1.50	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.37	1.35	1.34	1.33
53.5	1.66	1.65	1.64	1.62	1.61	1.60	1.59	1.57	1.56	1.55	1.53	1.52	1.51	1.49	1.48	1.47	1.45	1.44	1.43	1.41	1.40	1.39	1.37	1.36	1.35
53.9	1.69	1.67	1.66	1.65	1.63	1.62	1.61	1.59	1.58	1.57	1.55	1.54	1.53	1.52	1.50	1.49	1.48	1.46	1.45	1.44	1.42	1.41	1.40	1.38	1.37
54.3	1.71	1.70	1.68	1.67	1.66	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.52	1.51	1.50	1.48	1.47	1.46	1.44	1.43	1.42	1.41	1.39
54.7	1.73	1.72	1.70	1.69	1.68	1.67	1.65	1.64	1.63	1.61	1.60	1.59	1.57	1.56	1.55	1.53	1.52	1.51	1.49	1.48	1.47	1.45	1.44	1.43	1.41
55.1	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.63	1.62	1.61	1.59	1.58	1.57	1.56	1.54	1.53	1.52	1.50	1.49	1.48	1.46	1.45	1.44
55.5	1.78	1.76	1.75	1.74	1.72	1.71	1.70	1.68	1.67	1.66	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.52	1.51	1.50	1.49	1.47	1.46
55.9	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64	1.63	1.61	1.60	1.59	1.57	1.56	1.55	1.53	1.52	1.51	1.49	1.48
56.3	1.82	1.81	1.79	1.78	1.77	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.63	1.62	1.61	1.60	1.58	1.57	1.56	1.54	1.53	1.52	1.50
56.7	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.72	1.71	1.70	1.68	1.67	1.66	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.53
57.1	1.86	1.85	1.84	1.82	1.81	1.80	1.79	1.77	1.76	1.75	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64	1.63	1.61	1.60	1.59	1.57	1.56	1.55
57.5	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.79	1.78	1.77	1.75	1.74	1.73	1.71	1.70	1.69	1.68	1.66	1.65	1.64	1.62	1.61	1.60	1.58	1.57
57.9	1.91	1.90	1.88	1.87	1.86	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.72	1.71	1.70	1.68	1.67	1.66	1.64	1.63	1.62	1.61	1.59
58.3	1.93	1.92	1.90	1.89	1.88	1.86	1.85	1.84	1.83	1.81	1.80	1.79	1.77	1.76	1.75	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64	1.63	1.61
58.7	1.95	1.94	1.93	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.79	1.78	1.77	1.75	1.74	1.73	1.72	1.70	1.69	1.68	1.66	1.65	1.64
59.1	1.98	1.96	1.95	1.94	1.92	1.91	1.90	1.88	1.87	1.86	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.72	1.71	1.70	1.68	1.67	1.66
59.4	2.00	1.98	1.97	1.96	1.94	1.93	1.92	1.90	1.89	1.88	1.87	1.85	1.84	1.83	1.81	1.80	1.79	1.77	1.76	1.75	1.73	1.72	1.71	1.69	1.68
59.8	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.93	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.70
60.2	2.04	2.03	2.02	2.00	1.99	1.98	1.96	1.95	1.94	1.92	1.91	1.90	1.88	1.87	1.86	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.73
60.6	2.06	2.05	2.04	2.02	2.01	2.00	1.98	1.97	1.96	1.95	1.93	1.92	1.91	1.89	1.88	1.87	1.85	1.84	1.83	1.81	1.80	1.79	1.77	1.76	1.75
61.0	2.09	2.07	2.06	2.05	2.03	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.93	1.91	1.90	1.89	1.88	1.86	1.85	1.84	1.82	1.81	1.80	1.78	1.77
61.4	2.11	2.10	2.08	2.07	2.06	2.04	2.03	2.02	2.00	1.99	1.98	1.96	1.95	1.94	1.92	1.91	1.90	1.88	1.87	1.86	1.84	1.83	1.82	1.80	1.79
61.8	2.13	2.12	2.10	2.09	2.08	2.06	2.05	2.04	2.03	2.01	2.00	1.99	1.97	1.96	1.95	1.93	1.92	1.91	1.89	1.88	1.87	1.85	1.84	1.83	1.81
62.2	2.15	2.14	2.13	2.11	2.10	2.09	2.07	2.06	2.05	2.03	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.93	1.92	1.90	1.89	1.88	1.86	1.85	1.84
62.6	2.17	2.16	2.15	2.14	2.12	2.11	2.10	2.08	2.07	2.06	2.04	2.03	2.02	2.00	1.99	1.98	1.96	1.95	1.94	1.92	1.91	1.90	1.88	1.87	1.86
63.0	2.20	2.18	2.17	2.16	2.14	2.13	2.12	2.10	2.09	2.08	2.07	2.05	2.04	2.03	2.01	2.00	1.99	1.97	1.96	1.95	1.93	1.92	1.91	1.89	1.88
63.4	2.22	2.21	2.19	2.18	2.17	2.15	2.14	2.13	2.11	2.10	2.09	2.07	2.06	2.05	2.03	2.02	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.92	1.90
63.8	2.24	2.23	2.22	2.20	2.19	2.18	2.16	2.15	2.14	2.12	2.11	2.10	2.08	2.07	2.06	2.04	2.03	2.02	2.00	1.99	1.98	1.96	1.95	1.94	1.92
64.2	2.26	2.25	2.24	2.22	2.21	2.20	2.18	2.17	2.16	2.15	2.13	2.12	2.11	2.09	2.08	2.07	2.05	2.04	2.03	2.01	2.00	1.99	1.97	1.96	1.95
64.6	2.29	2.27	2.26	2.25	2.23	2.22	2.21	2.19	2.18	2.17	2.15	2.14	2.13	2.11	2.10	2.09	2.07	2.06	2.05	2.04	2.02	2.01	2.00	1.98	1.97
65.0	2.31	2.30	2.28	2.27	2.26	2.24	2.23	2.22	2.20	2.19	2.18	2.16	2.15	2.14	2.12	2.11	2.10	2.08	2.07	2.06	2.04	2.03	2.02	2.00	1.99
65.4	2.33	2.32	2.30	2.29	2.28	2.26	2.25	2.24	2.22	2.21	2.20	2.19	2.17	2.16	2.15	2.13	2.12	2.11	2.09	2.08	2.07	2.05	2.04	2.03	2.01
65.7	2.35	2.34	2.33	2.31	2.30	2.29	2.27	2.26	2.25	2.23	2.22	2.21	2.19	2.18	2.17	2.15	2.14	2.13	2.12	2.10	2.09	2.08	2.06	2.05	2.04
66.1	2.37	2.36	2.35	2.34	2.32	2.31	2.30	2.28	2.27	2.26	2.24	2.23	2.22	2.20	2.19	2.18	2.16	2.15	2.14	2.12	2.11	2.10	2.08	2.07	2.06
66.5	2.40	2.38	2.37	2.36	2.34	2.33	2.32	2.30	2.29	2.28	2.27	2.25	2.24	2.23	2.21	2.20	2.19	2.17	2.16	2.15	2.13	2.12	2.11	2.09	2.08
66.9	2.42	2.41	2.39	2.38	2.37	2.35	2.34	2.33	2.31	2.30	2.29	2.27	2.26	2.25	2.23	2.22	2.21	2.19	2.18	2.17	2.16	2.14	2.13	2.12	2.10
67.3	2.44	2.43	2.42	2.40	2.39	2.38	2.36	2.35	2.34	2.32	2.31	2.30	2.28	2.27	2.26	2.24	2.23	2.22	2.20	2.19	2.18	2.16	2.15	2.14	2.12
67.7	2.46	2.45	2.44	2.42	2.41	2.40	2.38	2.37	2.36	2.34	2.33	2.32	2.31	2.29	2.28	2.27	2.25	2.24	2.23	2.21	2.20	2.19	2.17	2.16	2.15
68.1	2.49	2.47	2.46	2.45	2.43	2.42	2.41	2.39	2.38	2.37	2.35	2.34	2.33	2.31	2.30	2.29	2.27	2.26	2.25	2.24	2.22	2.21	2.20	2.18	2.17
68.5	2.51	2.49	2.48	2.47	2.46	2.44	2.43	2.42	2.40	2.39	2.38	2.36	2.35	2.34	2.32	2.31	2.30	2.28	2.27	2.26	2.24	2.23	2.22	2.20	2.19
68.9	2.53	2.52	2.50	2.49	2.48	2.46	2.45	2.44	2.42	2.41	2.40	2.38	2.37	2.36	2.35	2.33	2.32	2.31	2.29	2.28	2.27	2.25	2.24	2.23	2.21
69.3	2.55	2.54	2.53	2.51	2.50	2.49	2.47	2.46	2.45	2.43	2.42	2.41	2.39	2.38	2.37	2.35	2.34	2.33	2.31	2.30	2.29	2.28	2.26	2.25	2.24
69.7	2.57	2.56	2.55	2.54	2.52	2.51	2.50	2.48	2.47	2.46	2.44	2.43	2.42	2.40	2.39	2.38	2.36	2.35	2.34	2.32	2.31	2.30	2.28	2.27	2.26
70.1	2.60	2.58	2.57	2.56	2.54	2.53	2.52	2.50	2.49	2.48	2.46	2.45	2.44	2.43	2.41	2.40	2.39	2.37	2.36	2.35	2.33	2.32	2.31	2.29	2.28
70.5	2.62	2.61	2.59	2.58	2.57	2.55	2.54	2.53	2.51	2.50	2.49	2.47	2.46	2.45	2.43	2.42	2.41	2.39	2.38	2.37	2.36	2.34	2.33	2.32	2.30
70.9	2.64	2.63	2.61	2.60	2.59	2.58	2.56	2.55	2.54	2.52	2.51	2.50	2.48	2.47	2.46	2.44	2.43	2.42	2.40	2.39	2.38	2.36	2.35	2.34	2.32
71.3	2.66	2.65	2.64	2.62	2.61	2.60	2.58	2.57	2.56	2.54	2.53	2.52	2.50	2.49	2.48	2.47	2.45	2.44	2.43	2.41	2.40	2.39	2.37	2.36	2.35
71.7	2.69	2.67	2.66	2.65	2.63	2.62	2.61	2.59	2.58	2.57	2.55	2.54	2.53	2.51	2.50	2.49	2.47	2.46	2.45	2.43	2.42	2.41	2.40	2.38	2.37
72.0	2.71	2.69	2.68	2.67	2.65	2.64	2.63	2.62	2.60	2.59	2.58	2.56	2.55	2.54	2.52	2.51	2.50	2.48	2.47	2.46	2.44	2.43	2.42	2.40	2.39
72.4	2.73	2.72	2.70	2.69	2.68	2.66	2.65	2.64	2.62	2.61	2.60	2.58	2.57	2.56	2.55	2.53	2.52	2.51	2.49	2.48	2.47	2.45	2.44	2.43	2.41
72.8	2.75	2.74	2.73	2.71	2.70	2.69	2.67	2.66	2.65	2.63	2.62	2.61	2.59	2.58	2.57	2.55	2.54	2.53	2.51	2.50	2.49	2.48	2.46	2.45	2.44
73.2	2.77	2.76	2.75	2.73	2.72	2.71	2.70	2.68	2.67	2.66	2.64	2.63	2.62	2.60	2.59	2.58	2.56	2.55	2.54	2.52	2.51	2.50	2.48	2.47	2.46
73.6	2.80	2.78	2.77	2.76	2.74	2.73	2.72	2.70	2.69	2.68	2.66	2.65	2.64	2.63	2.61	2.60	2.59	2.57	2.56	2.55	2.53	2.52	2.51	2.49	2.48
74.0	2.82	2.81	2.79	2.78	2.77	2.75	2.74	2.73	2.71	2.70	2.69	2.67	2.66	2.65	2.63	2.62	2.61	2.59	2.58	2.57	2.55	2.54	2.53	2.52	2.50
74.4	2.84	2.83	2.81	2.80	2.79	2.78	2.76	2.75	2.74	2.72	2.71	2.70	2.68	2.67	2.66	2.64	2.63	2.62	2.60	2.59	2.58	2.56	2.55	2.54	2.52
74.8	2.86	2.85	2.84	2.82	2.81	2.80	2.78	2.77	2.76	2.74	2.73	2.72	2.70	2.69	2.68	2.67	2.65	2.64	2.63	2.61	2.60	2.59	2.57	2.56	2.55

PREDICTION EQUATIONS FOR FVC FEMALES * 60% OF PREDICTED **

HEIGHT (IN)	AGE (YEARS) 47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
51.2	1.20	1.19	1.17	1.16	1.15	1.14	1.12	1.11	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.00	0.99	0.98	0.96	0.95	0.94	0.92	0.91	0.90	0.88
51.6	1.22	1.21	1.20	1.18	1.17	1.16	1.14	1.13	1.12	1.10	1.09	1.08	1.07	1.05	1.04	1.03	1.01	1.00	0.99	0.97	0.96	0.95	0.93	0.92	0.91
52.0	1.25	1.23	1.22	1.21	1.19	1.18	1.17	1.15	1.14	1.13	1.11	1.10	1.09	1.07	1.06	1.05	1.03	1.02	1.01	0.99	0.98	0.97	0.96	0.94	0.93
52.4	1.27	1.25	1.24	1.23	1.21	1.20	1.19	1.18	1.16	1.15	1.14	1.12	1.11	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.00	0.99	0.98	0.96	0.95
52.8	1.29	1.28	1.26	1.25	1.24	1.22	1.21	1.20	1.18	1.17	1.16	1.14	1.13	1.12	1.11	1.09	1.08	1.07	1.05	1.04	1.03	1.01	1.00	0.99	0.97
53.1	1.31	1.30	1.29	1.27	1.26	1.25	1.23	1.22	1.21	1.19	1.18	1.17	1.15	1.14	1.13	1.11	1.10	1.09	1.07	1.06	1.05	1.03	1.02	1.01	1.00
53.5	1.33	1.32	1.31	1.29	1.28	1.27	1.26	1.24	1.23	1.22	1.20	1.19	1.18	1.16	1.15	1.14	1.12	1.11	1.10	1.08	1.07	1.06	1.04	1.03	1.02
53.9	1.36	1.34	1.33	1.32	1.30	1.29	1.28	1.26	1.25	1.24	1.22	1.21	1.20	1.19	1.17	1.16	1.15	1.13	1.12	1.11	1.09	1.08	1.07	1.05	1.04
54.3	1.38	1.37	1.35	1.34	1.33	1.31	1.30	1.29	1.27	1.26	1.25	1.23	1.22	1.21	1.19	1.18	1.17	1.15	1.14	1.13	1.11	1.10	1.09	1.08	1.06
54.7	1.40	1.39	1.37	1.36	1.35	1.34	1.32	1.31	1.30	1.28	1.27	1.26	1.24	1.23	1.22	1.20	1.19	1.18	1.16	1.15	1.14	1.12	1.11	1.10	1.08
55.1	1.42	1.41	1.40	1.38	1.37	1.36	1.34	1.33	1.32	1.30	1.29	1.28	1.26	1.25	1.24	1.23	1.21	1.20	1.19	1.17	1.16	1.15	1.13	1.12	1.11
55.5	1.45	1.43	1.42	1.41	1.39	1.38	1.37	1.35	1.34	1.33	1.31	1.30	1.29	1.27	1.26	1.25	1.23	1.22	1.21	1.19	1.18	1.17	1.15	1.14	1.13
55.9	1.47	1.45	1.44	1.43	1.41	1.40	1.39	1.38	1.36	1.35	1.34	1.32	1.31	1.30	1.28	1.27	1.26	1.24	1.23	1.22	1.20	1.19	1.18	1.16	1.15
56.3	1.49	1.48	1.46	1.45	1.44	1.42	1.41	1.40	1.38	1.37	1.36	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.25	1.24	1.23	1.21	1.20	1.19	1.17
56.7	1.51	1.50	1.49	1.47	1.46	1.45	1.43	1.42	1.41	1.39	1.38	1.37	1.35	1.34	1.33	1.31	1.30	1.29	1.27	1.26	1.25	1.23	1.22	1.21	1.20
57.1	1.53	1.52	1.51	1.49	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.36	1.35	1.34	1.32	1.31	1.30	1.28	1.27	1.26	1.24	1.23	1.22
57.5	1.56	1.54	1.53	1.52	1.50	1.49	1.48	1.46	1.45	1.44	1.42	1.41	1.40	1.38	1.37	1.36	1.35	1.33	1.32	1.31	1.29	1.28	1.27	1.25	1.24
57.9	1.58	1.57	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.43	1.42	1.41	1.39	1.38	1.37	1.35	1.34	1.33	1.31	1.30	1.29	1.28	1.26
58.3	1.60	1.59	1.57	1.56	1.55	1.53	1.52	1.51	1.50	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.36	1.35	1.34	1.32	1.31	1.30	1.28
58.7	1.62	1.61	1.60	1.58	1.57	1.56	1.54	1.53	1.52	1.50	1.49	1.48	1.46	1.45	1.44	1.43	1.41	1.40	1.39	1.37	1.36	1.35	1.33	1.32	1.31
59.1	1.65	1.63	1.62	1.61	1.59	1.58	1.57	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.43	1.42	1.41	1.39	1.38	1.37	1.35	1.34	1.33
59.4	1.67	1.65	1.64	1.63	1.61	1.60	1.59	1.57	1.56	1.55	1.54	1.52	1.51	1.50	1.48	1.47	1.46	1.44	1.43	1.42	1.40	1.39	1.38	1.36	1.35
59.8	1.69	1.68	1.66	1.65	1.64	1.62	1.61	1.60	1.58	1.57	1.56	1.54	1.53	1.52	1.50	1.49	1.48	1.47	1.45	1.44	1.43	1.41	1.40	1.39	1.37
60.2	1.71	1.70	1.69	1.67	1.66	1.65	1.63	1.62	1.61	1.59	1.58	1.57	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46	1.45	1.43	1.42	1.41	1.40
60.6	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.52	1.51	1.50	1.48	1.47	1.46	1.44	1.43	1.42
61.0	1.76	1.74	1.73	1.72	1.70	1.69	1.68	1.66	1.65	1.64	1.62	1.61	1.60	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.49	1.48	1.47	1.45	1.44
61.4	1.78	1.77	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.63	1.62	1.61	1.59	1.58	1.57	1.55	1.54	1.53	1.51	1.50	1.49	1.47	1.46
61.8	1.80	1.79	1.77	1.76	1.75	1.73	1.72	1.71	1.69	1.68	1.67	1.66	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.52	1.51	1.50	1.48
62.2	1.82	1.81	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.70	1.69	1.68	1.66	1.65	1.64	1.62	1.61	1.60	1.59	1.57	1.56	1.55	1.53	1.52	1.51
62.6	1.84	1.83	1.82	1.81	1.79	1.78	1.77	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.63	1.62	1.61	1.59	1.58	1.57	1.55	1.54	1.53
63.0	1.87	1.85	1.84	1.83	1.81	1.80	1.79	1.77	1.76	1.75	1.74	1.72	1.71	1.70	1.68	1.67	1.66	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55
63.4	1.89	1.88	1.86	1.85	1.84	1.82	1.81	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.70	1.69	1.68	1.67	1.65	1.64	1.63	1.61	1.60	1.59	1.57
63.8	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.79	1.78	1.77	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66	1.65	1.63	1.62	1.61	1.59
64.2	1.93	1.92	1.91	1.89	1.88	1.87	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.72	1.71	1.70	1.68	1.67	1.66	1.64	1.63	1.62
64.6	1.96	1.94	1.93	1.92	1.90	1.89	1.88	1.86	1.85	1.84	1.82	1.81	1.80	1.78	1.77	1.76	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.65	1.64
65.0	1.98	1.97	1.95	1.94	1.93	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.79	1.78	1.77	1.75	1.74	1.73	1.71	1.70	1.69	1.67	1.66
65.4	2.00	1.99	1.97	1.96	1.95	1.93	1.92	1.91	1.89	1.88	1.87	1.86	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75	1.74	1.72	1.71	1.70	1.68
65.7	2.02	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.92	1.90	1.89	1.88	1.86	1.85	1.84	1.82	1.81	1.80	1.78	1.77	1.76	1.75	1.73	1.72	1.71
66.1	2.04	2.03	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.93	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.79	1.78	1.77	1.75	1.74	1.73
66.5	2.07	2.05	2.04	2.03	2.01	2.00	1.99	1.97	1.96	1.95	1.94	1.92	1.91	1.90	1.88	1.87	1.86	1.84	1.83	1.82	1.80	1.79	1.78	1.76	1.75
66.9	2.09	2.08	2.06	2.05	2.04	2.02	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.92	1.90	1.89	1.88	1.86	1.85	1.84	1.83	1.81	1.80	1.79	1.77
67.3	2.11	2.10	2.09	2.07	2.06	2.05	2.03	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.93	1.91	1.90	1.89	1.87	1.86	1.85	1.83	1.82	1.81	1.79
67.7	2.13	2.12	2.11	2.09	2.08	2.07	2.05	2.04	2.03	2.01	2.00	1.99	1.98	1.96	1.95	1.94	1.92	1.91	1.90	1.88	1.87	1.86	1.84	1.83	1.82
68.1	2.16	2.14	2.13	2.12	2.10	2.09	2.08	2.06	2.05	2.04	2.02	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.92	1.91	1.89	1.88	1.87	1.85	1.84
68.5	2.18	2.16	2.15	2.14	2.13	2.11	2.10	2.09	2.07	2.06	2.05	2.03	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.93	1.91	1.90	1.89	1.87	1.86
68.9	2.20	2.19	2.17	2.16	2.15	2.13	2.12	2.11	2.09	2.08	2.07	2.05	2.04	2.03	2.02	2.00	1.99	1.98	1.96	1.95	1.94	1.92	1.91	1.90	1.88
69.3	2.22	2.21	2.20	2.18	2.17	2.16	2.14	2.13	2.12	2.10	2.09	2.08	2.06	2.05	2.04	2.02	2.01	2.00	1.98	1.97	1.96	1.95	1.93	1.92	1.91
69.7	2.24	2.23	2.22	2.21	2.19	2.18	2.17	2.15	2.14	2.13	2.11	2.10	2.09	2.07	2.06	2.05	2.03	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.93
70.1	2.27	2.25	2.24	2.23	2.21	2.20	2.19	2.17	2.16	2.15	2.13	2.12	2.11	2.10	2.08	2.07	2.06	2.04	2.03	2.02	2.00	1.99	1.98	1.96	1.95
70.5	2.29	2.28	2.26	2.25	2.24	2.22	2.21	2.20	2.18	2.17	2.16	2.14	2.13	2.12	2.10	2.09	2.08	2.06	2.05	2.04	2.03	2.01	2.00	1.99	1.97
70.9	2.31	2.30	2.28	2.27	2.26	2.25	2.23	2.22	2.21	2.19	2.18	2.17	2.15	2.14	2.13	2.11	2.10	2.09	2.07	2.06	2.05	2.03	2.02	2.01	1.99
71.3	2.33	2.32	2.31	2.29	2.28	2.27	2.25	2.24	2.23	2.21	2.20	2.19	2.18	2.16	2.15	2.14	2.12	2.11	2.10	2.08	2.07	2.06	2.04	2.03	2.02
71.7	2.36	2.34	2.33	2.32	2.30	2.29	2.28	2.26	2.25	2.24	2.22	2.21	2.20	2.18	2.17	2.16	2.14	2.13	2.12	2.10	2.09	2.08	2.07	2.05	2.04
72.0	2.38	2.36	2.35	2.34	2.33	2.31	2.30	2.29	2.27	2.26	2.25	2.23	2.22	2.21	2.19	2.18	2.17	2.15	2.14	2.13	2.11	2.10	2.09	2.07	2.06
72.4	2.40	2.39	2.37	2.36	2.35	2.33	2.32	2.31	2.29	2.28	2.27	2.25	2.24	2.23	2.22	2.20	2.19	2.18	2.16	2.15	2.14	2.12	2.11	2.10	2.08
72.8	2.42	2.41	2.40	2.38	2.37	2.36	2.34	2.33	2.32	2.30	2.29	2.28	2.26	2.25	2.24	2.22	2.21	2.20	2.18	2.17	2.16	2.15	2.13	2.12	2.11
73.2	2.44	2.43	2.42	2.40	2.39	2.38	2.37	2.35	2.34	2.33	2.31	2.30	2.29	2.27	2.26	2.25	2.23	2.22	2.21	2.19	2.18	2.17	2.15	2.14	2.13
73.6	2.47	2.45	2.44	2.43	2.41	2.40	2.39	2.37	2.36	2.35	2.33	2.32	2.31	2.30	2.28	2.27	2.26	2.24	2.23	2.22	2.20	2.19	2.18	2.16	2.15
74.0	2.49	2.48	2.46	2.45	2.44	2.42	2.41	2.40	2.38	2.37	2.36	2.34	2.33	2.32	2.30	2.29	2.28	2.26	2.25	2.24	2.22	2.21	2.20	2.19	2.17
74.4	2.51	2.50	2.48	2.47	2.46	2.44	2.43	2.42	2.41	2.39	2.38	2.37	2.35	2.34	2.33	2.31	2.30	2.29	2.27	2.26	2.25	2.23	2.22	2.21	2.19
74.8	2.53	2.52	2.51	2.49	2.48	2.47	2.45	2.44	2.43	2.41	2.40	2.39	2.37	2.36	2.35	2.34	2.32	2.31	2.30	2.28	2.27	2.26	2.24	2.23	2.22

PREDICTION EQUATIONS FOR MVV MALES * 60% OF PREDICTED **

HEIGHT (IN)	AGE (YEARS) 22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
59.1	74.	75.	76.	70.	69.	69.	68.	68.	67.	66.	66.	65.	64.	64.	63.	62.	62.	61.	60.	60.	59.	58.	58.	57.	57.
59.4	75.	76.	77.	71.	71.	70.	69.	69.	68.	67.	67.	66.	66.	65.	64.	64.	63.	62.	62.	61.	60.	60.	59.	58.	58.
59.8	76.	77.	78.	73.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.	64.	63.	62.	62.	61.	60.	60.	59.
60.2	77.	78.	79.	74.	73.	73.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.	64.	63.	62.	62.	61.	60.
60.6	78.	79.	81.	75.	74.	74.	73.	73.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.	63.	63.	62.	62.
61.0	79.	81.	82.	76.	76.	75.	74.	74.	73.	72.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.	63.	63.
61.4	81.	82.	83.	78.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.
61.8	82.	83.	84.	79.	78.	78.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.	68.	68.	67.	67.	66.	65.
62.2	83.	84.	85.	80.	79.	79.	78.	78.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.	68.	68.	67.	67.
62.6	84.	85.	86.	81.	81.	80.	79.	79.	78.	77.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.	68.	68.
63.0	85.	86.	87.	83.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.
63.4	86.	87.	88.	84.	83.	83.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.	73.	73.	72.	72.	71.	70.
63.8	87.	88.	89.	85.	84.	84.	83.	83.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.	73.	73.	72.	71.
64.2	88.	89.	90.	86.	86.	85.	84.	84.	83.	82.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.	73.	73.
64.6	89.	91.	92.	88.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.
65.0	91.	92.	93.	89.	88.	88.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.	78.	78.	77.	77.	76.	75.
65.4	92.	93.	94.	90.	89.	89.	88.	88.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.	78.	78.	77.	76.
65.7	93.	94.	95.	91.	91.	90.	89.	89.	88.	87.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.	78.	78.
66.1	94.	95.	96.	93.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.
66.5	95.	96.	97.	94.	93.	93.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.	83.	83.	82.	82.	81.	80.
66.9	96.	97.	98.	95.	94.	94.	93.	92.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.	83.	83.	82.	81.
67.3	97.	98.	99.	96.	96.	95.	94.	94.	93.	92.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.	83.	83.
67.7	98.	99.	100.	98.	97.	96.	96.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.
68.1	99.	100.	102.	99.	98.	98.	97.	96.	96.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.	88.	88.	87.	87.	86.	85.
68.5	100.	102.	103.	100.	99.	99.	98.	97.	97.	96.	96.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.	88.	88.	87.	86.
68.9	102.	103.	104.	101.	101.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.	88.	88.
69.3	103.	104.	105.	103.	102.	101.	101.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.
69.7	104.	105.	106.	104.	103.	103.	102.	101.	101.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	93.	93.	92.	92.	91.	90.
70.1	105.	106.	107.	105.	104.	104.	103.	102.	102.	101.	101.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	93.	93.	92.	91.
70.5	106.	107.	108.	106.	106.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	93.	93.
70.9	107.	108.	109.	108.	107.	106.	106.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	98.	98.	97.	97.	96.	95.	95.	94.
71.3	108.	109.	110.	109.	108.	108.	107.	106.	106.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	98.	98.	97.	97.	96.	95.
71.7	109.	110.	111.	110.	109.	109.	108.	107.	107.	106.	106.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	98.	98.	97.	96.
72.0	110.	111.	113.	111.	111.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	98.	98.
72.4	112.	113.	114.	113.	112.	111.	111.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	103.	103.	102.	102.	101.	100.	100.	99.
72.8	113.	114.	115.	114.	113.	113.	112.	111.	111.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	103.	103.	102.	101.	101.	100.
73.2	114.	115.	116.	115.	114.	114.	113.	112.	112.	111.	111.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	103.	103.	102.	101.
73.6	115.	116.	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	103.	103.
74.0	116.	117.	118.	118.	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	108.	108.	107.	107.	106.	105.	105.	104.
74.4	117.	118.	119.	119.	118.	118.	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	108.	108.	107.	106.	106.	105.
74.8	118.	119.	120.	120.	119.	119.	118.	117.	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	108.	108.	107.	106.
75.2	119.	120.	121.	121.	121.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	108.	108.
75.6	120.	121.	122.	123.	122.	121.	121.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	113.	113.	112.	112.	111.	110.	110.	109.
76.0	121.	123.	124.	124.	123.	122.	122.	121.	121.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	113.	113.	112.	111.	111.	110.
76.4	123.	124.	125.	125.	124.	124.	123.	122.	122.	121.	121.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	113.	113.	112.	111.
76.8	124.	125.	126.	126.	126.	125.	124.	124.	123.	122.	122.	121.	120.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	113.	113.
77.2	125.	126.	127.	128.	127.	126.	126.	125.	124.	124.	123.	122.	122.	121.	120.	120.	119.	118.	118.	117.	117.	116.	115.	115.	114.
77.6	126.	127.	128.	129.	128.	127.	127.	126.	126.	125.	124.	124.	123.	122.	122.	121.	120.	120.	119.	118.	118.	117.	116.	116.	115.
78.0	127.	128.	129.	130.	129.	129.	128.	127.	127.	126.	125.	125.	124.	124.	123.	122.	122.	121.	120.	120.	119.	118.	118.	117.	116.
78.3	128.	129.	130.	131.	131.	130.	129.	129.	128.	127.	127.	126.	125.	125.	124.	124.	123.	122.	122.	121.	120.	120.	119.	118.	118.
78.7	129.	130.	131.	133.	132.	131.	131.	130.	129.	129.	128.	127.	127.	126.	125.	125.	124.	123.	123.	122.	122.	121.	120.	120.	119.
79.1	130.	131.	132.	134.	133.	132.	132.	131.	131.	130.	129.	129.	128.	127.	127.	126.	125.	125.	124.	123.	123.	122.	121.	121.	120.
79.5	131.	132.	134.	135.	134.	134.	133.	132.	132.	131.	130.	130.	129.	129.	128.	127.	127.	126.	125.	125.	124.	123.	123.	122.	121.
79.9	132.	134.	135.	136.	136.	135.	134.	134.	133.	132.	132.	131.	130.	130.	129.	128.	128.	127.	127.	126.	125.	125.	124.	123.	123.
80.3	134.	135.	136.	138.	137.	136.	136.	135.	134.	134.	133.	132.	132.	131.	130.	130.	129.	128.	128.	127.	127.	126.	125.	125.	124.
80.7	135.	136.	137.	139.	138.	137.	137.	136.	136.	135.	134.	134.	133.	132.	132.	131.	130.	130.	129.	128.	128.	127.	126.	126.	125.
81.1	136.	137.	138.	140.	139.	139.	138.	137.	137.	136.	135.	135.	134.	134.	133.	132.	132.	131.	130.	130.	129.	128.	128.	127.	126.
81.5	137.	138.	139.	141.	141.	140.	139.	139.	138.	137.	137.	136.	135.	135.	134.	133.	133.	132.	132.	131.	130.	130.	129.	128.	128.
81.9	138.	139.	140.	143.	142.	141.	141.	140.	139.	139.	138.	137.	137.	136.	135.	135.	134.	133.	133.	132.	131.	131.	130.	130.	129.
82.3	139.	140.	141.	144.	143.	142.	142.	141.	141.	140.	139.	139.	138.	137.	137.	136.	135.	135.	134.	133.	133.	132.	131.	131.	130.
82.7	140.	141.	142.	145.	144.	144.	143.	142.	142.	141.	140.	140.	139.	139.	138.	137.	137.	136.	135.	135.	134.	133.	133.	132.	131.

PREDICTION EQUATIONS FOR MVV — MALES — * 60% OF PREDICTED **

AGE (YEARS)

HEIGHT (IN)	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
59.1	56.	55.	55.	54.	53.	53.	52.	51.	51.	50.	49.	49.	48.	47.	47.	46.	46.	45.	44.	44.	43.	42.	42.	41.	40.
59.4	57.	56.	56.	55.	55.	54.	53.	53.	52.	51.	51.	50.	49.	49.	48.	47.	47.	46.	45.	45.	44.	44.	43.	42.	42.
59.8	58.	58.	57.	56.	56.	55.	54.	54.	53.	53.	52.	51.	51.	50.	49.	49.	48.	47.	47.	46.	45.	45.	44.	43.	43.
60.2	60.	59.	58.	58.	57.	56.	56.	55.	54.	54.	53.	52.	52.	51.	51.	50.	49.	49.	48.	47.	47.	46.	45.	45.	44.
60.6	61.	60.	60.	59.	58.	58.	57.	56.	56.	55.	54.	54.	53.	52.	52.	51.	50.	50.	49.	49.	48.	47.	47.	46.	45.
61.0	62.	61.	61.	60.	60.	59.	58.	58.	57.	56.	56.	55.	54.	54.	53.	52.	52.	51.	50.	50.	49.	49.	48.	47.	47.
61.4	63.	63.	62.	61.	61.	60.	59.	59.	58.	58.	57.	56.	56.	55.	54.	54.	53.	52.	52.	51.	50.	50.	49.	48.	48.
61.8	65.	64.	63.	63.	62.	61.	61.	60.	59.	59.	58.	57.	57.	56.	56.	55.	54.	54.	53.	52.	52.	51.	50.	50.	49.
62.2	66.	65.	65.	64.	63.	63.	62.	61.	61.	60.	59.	59.	58.	57.	57.	56.	55.	55.	54.	54.	53.	52.	52.	51.	50.
62.6	67.	66.	66.	65.	65.	64.	63.	63.	62.	61.	61.	60.	59.	59.	58.	57.	57.	56.	55.	55.	54.	53.	53.	52.	52.
63.0	68.	68.	67.	66.	66.	65.	64.	64.	63.	63.	62.	61.	61.	60.	59.	59.	58.	57.	57.	56.	55.	55.	54.	53.	53.
63.4	70.	69.	68.	68.	67.	66.	66.	65.	64.	64.	63.	62.	62.	61.	61.	60.	59.	59.	58.	57.	57.	56.	55.	55.	54.
63.8	71.	70.	70.	69.	68.	68.	67.	66.	66.	65.	64.	64.	63.	62.	62.	61.	60.	60.	59.	59.	58.	57.	57.	56.	55.
64.2	72.	71.	71.	70.	70.	69.	68.	68.	67.	66.	66.	65.	64.	64.	63.	62.	62.	61.	60.	60.	59.	58.	58.	57.	57.
64.6	73.	73.	72.	71.	71.	70.	69.	69.	68.	68.	67.	66.	66.	65.	64.	64.	63.	62.	62.	61.	60.	60.	59.	58.	58.
65.0	75.	74.	73.	73.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	66.	65.	64.	64.	63.	62.	62.	61.	60.	60.	59.
65.4	76.	75.	75.	74.	73.	73.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.	64.	63.	62.	62.	61.	60.
65.7	77.	76.	76.	75.	74.	74.	73.	73.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.	63.	63.	62.	62.
66.1	78.	78.	77.	76.	76.	75.	74.	74.	73.	73.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.	63.	63.
66.5	80.	79.	78.	78.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	71.	70.	69.	69.	68.	67.	67.	66.	65.	65.	64.
66.9	81.	80.	80.	79.	78.	78.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.	69.	68.	67.	67.	66.	65.
67.3	82.	81.	81.	80.	79.	79.	78.	78.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.	68.	68.	67.	67.
67.7	83.	83.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.	68.	68.
68.1	85.	84.	83.	83.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	76.	75.	74.	74.	73.	72.	72.	71.	70.	70.	69.
68.5	86.	85.	85.	84.	83.	83.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.	74.	73.	72.	72.	71.	70.
68.9	87.	86.	86.	85.	84.	84.	83.	83.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.	73.	73.	72.	72.
69.3	88.	88.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	81.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.	73.	73.
69.7	90.	89.	88.	88.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.	79.	78.	77.	77.	76.	75.	75.	74.
70.1	91.	90.	90.	89.	88.	88.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.	79.	78.	77.	77.	76.	75.
70.5	92.	91.	91.	90.	89.	89.	88.	88.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.	78.	78.	77.	77.
70.9	93.	93.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	86.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.	78.	78.
71.3	95.	94.	93.	93.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.	84.	83.	82.	82.	81.	80.	80.	79.
71.7	96.	95.	95.	94.	93.	93.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.	83.	83.	82.	82.	81.	80.
72.0	97.	96.	96.	95.	94.	94.	93.	93.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.	83.	83.	82.	82.
72.4	98.	98.	97.	96.	96.	95.	94.	94.	93.	92.	92.	91.	91.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.	83.	83.
72.8	100.	99.	98.	98.	97.	96.	96.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.	89.	88.	87.	87.	86.	85.	85.	84.
73.2	101.	100.	100.	99.	98.	98.	97.	96.	96.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.	88.	88.	87.	87.	86.	85.
73.6	102.	101.	101.	100.	99.	99.	98.	98.	97.	96.	96.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.	88.	88.	87.	86.
74.0	103.	103.	102.	101.	101.	100.	99.	99.	98.	97.	97.	96.	96.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.	88.	88.
74.4	105.	104.	103.	103.	102.	101.	101.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	94.	93.	92.	92.	91.	90.	90.	89.
74.8	106.	105.	104.	104.	103.	103.	102.	101.	101.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	93.	93.	92.	92.	91.	90.
75.2	107.	106.	106.	105.	104.	104.	103.	103.	102.	101.	101.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	93.	93.	92.	91.
75.6	108.	108.	107.	106.	106.	105.	104.	104.	103.	102.	102.	101.	101.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.	93.	93.
76.0	110.	109.	108.	108.	107.	106.	106.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	99.	98.	97.	97.	96.	95.	95.	94.
76.4	111.	110.	109.	109.	108.	108.	107.	106.	106.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	98.	98.	97.	97.	96.	95.
76.8	112.	111.	111.	110.	109.	109.	108.	107.	107.	106.	106.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	98.	98.	97.	96.
77.2	113.	113.	112.	111.	111.	110.	109.	109.	108.	107.	107.	106.	106.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.	98.	98.
77.6	115.	114.	113.	113.	112.	111.	111.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	104.	103.	102.	102.	101.	100.	100.	99.
78.0	116.	115.	114.	114.	113.	113.	112.	111.	111.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	103.	103.	102.	102.	101.	100.
78.3	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	111.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	103.	103.	102.	101.
78.7	118.	118.	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.	103.	103.
79.1	120.	119.	118.	118.	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	109.	108.	107.	107.	106.	105.	105.	104.
79.5	121.	120.	119.	119.	118.	118.	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	108.	108.	107.	107.	106.	105.
79.9	122.	121.	121.	120.	119.	119.	118.	117.	117.	116.	116.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	108.	108.	107.	106.
80.3	123.	123.	122.	121.	121.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	114.	113.	112.	112.	111.	110.	110.	109.	108.	108.
80.7	125.	124.	123.	123.	122.	121.	121.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	113.	113.	112.	112.	111.	110.	110.	109.
81.1	126.	125.	124.	124.	123.	123.	122.	121.	121.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	113.	113.	112.	112.	111.	110.
81.5	127.	126.	126.	125.	124.	124.	123.	122.	122.	121.	121.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	113.	113.	112.	111.
81.9	128.	128.	127.	126.	126.	125.	124.	124.	123.	122.	122.	121.	120.	120.	119.	119.	118.	117.	117.	116.	115.	115.	114.	113.	113.
82.3	130.	129.	128.	128.	127.	126.	126.	125.	124.	124.	123.	122.	122.	121.	120.	120.	119.	118.	118.	117.	117.	116.	115.	115.	114.
82.7	131.	130.	129.	129.	128.	128.	127.	126.	126.	125.	124.	124.	123.	122.	122.	121.	120.	120.	119.	118.	118.	117.	116.	116.	115.

PREDICTION EQUATIONS FOR MVP FEMALES * 60% OF PREDICTED **

HEIGHT (IN)	AGE (YEARS) 22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
51.2	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.
51.6	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.
52.0	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.
52.4	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.
52.8	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.
53.1	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.
53.5	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.
53.9	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.
54.3	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.
54.7	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.
55.1	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	50.	50.	49.	49.	48.
55.5	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.
55.9	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.
56.3	63.	62.	62.	61.	61.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.
56.7	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.
57.1	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.
57.5	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.
57.9	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.
58.3	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.
58.7	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.
59.1	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.
59.4	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.
59.8	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.
60.2	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.
60.6	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.
61.0	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.
61.4	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.
61.8	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	59.
62.2	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.
62.6	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.
63.0	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.
63.4	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.
63.8	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.
64.2	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.
64.6	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.
65.0	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.
65.4	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.
65.7	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	68.	68.	67.	67.	66.	66.
66.1	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.
66.5	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.
66.9	80.	80.	79.	79.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.
67.3	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.
67.7	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.
68.1	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.
68.5	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.
68.9	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.
69.3	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.
69.7	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.
70.1	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.
70.5	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.
70.9	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.
71.3	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.
71.7	88.	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.
72.0	88.	88.	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.	77.	77.	76.
72.4	89.	89.	88.	88.	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	77.	77.
72.8	90.	89.	89.	88.	88.	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.	78.
73.2	90.	90.	89.	89.	88.	88.	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.	78.
73.6	91.	91.	90.	90.	89.	89.	88.	88.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.	79.	79.
74.0	92.	91.	91.	90.	90.	89.	89.	88.	88.	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.	80.
74.4	92.	92.	91.	91.	90.	90.	89.	89.	88.	88.	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.	80.
74.8	93.	92.	92.	91.	91.	90.	90.	89.	89.	88.	88.	87.	87.	86.	86.	85.	85.	84.	84.	83.	83.	82.	82.	81.	81.

PREDICTION EQUATIONS FOR MVV FEMALES * 60% OF PREDICTED **

HEIGHT (IN)	AGE (YEARS) 47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
51.2	41.	41.	40.	39.	39.	38.	38.	37.	37.	37.	36.	36.	35.	35.	34.	34.	33.	33.	32.	32.	31.	31.	30.	30.	29.
51.5	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.	35.	34.	34.	33.	33.	32.	32.	31.	31.	30.
52.0	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.	35.	34.	34.	33.	33.	32.	32.	31.	31.
52.4	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.	35.	34.	34.	33.	33.	32.	32.	31.
52.8	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.	35.	34.	34.	33.	32.	32.
53.3	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.	35.	34.	34.	33.	33.
53.9	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.	35.	34.	34.	33.
54.3	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.	35.	34.	34.
54.7	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.	35.
55.1	48.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.	35.
55.5	49.	48.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.	36.	36.
55.9	49.	49.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.	37.	37.
56.3	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.	38.	38.
56.7	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.	39.
57.1	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.	39.
57.6	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.	40.	40.
58.3	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.	41.	41.
58.7	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.	42.
59.1	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.	43.	42.
59.4	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.	43.
59.8	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.	44.
60.2	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.	45.	44.
60.6	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.	45.
61.0	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.	46.
61.4	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.	46.
61.8	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.	47.	47.
62.2	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.	48.
62.6	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.	48.
63.0	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.	49.	49.
63.4	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.	50.
63.8	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.	50.
64.2	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.	51.	51.
64.6	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.	52.
65.0	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.	52.
65.4	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.	53.
65.7	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.	53.
66.1	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.	54.	54.
66.5	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.	55.
66.9	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.	55.
67.3	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.	56.	56.
67.7	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.	57.
68.1	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.	57.
68.5	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.	58.	58.
68.9	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.	59.
69.3	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.	59.
69.7	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.	60.	60.
70.1	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.	61.
70.5	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.	61.
70.9	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.	62.	62.
71.3	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.	63.
71.7	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.	63.
72.0	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.	64.
72.4	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.	64.
72.8	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.	65.	65.
73.2	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.	66.
73.6	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.	66.
74.0	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.	67.	67.
74.4	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.	68.
74.8	80.	80.	79.	79.	78.	78.	77.	77.	76.	76.	75.	75.	74.	74.	73.	73.	72.	72.	71.	71.	70.	70.	69.	69.	68.

APPENDIX C TO PART 718—BLOOD-GAS TABLES

The following tables set forth the values to be applied in determining whether total disability may be established in accordance with §§ 718.204(b)(2)(ii) and 718.305(a), (c). The values contained in the tables are indicative of impairment only. They do not establish a degree of disability except as provided in §§ 718.204(b)(2)(ii) and 718.305(a), (c) of this subchapter, nor do they establish standards for determining normal alveolar gas exchange values for any particular individual. Tests shall not be performed during or soon after an acute respiratory or cardiac illness. A miner who meets the following medical specifications shall be found to be totally disabled, in the absence of rebutting evidence, if the values specified in one of the following tables are met: