

Supplemental Tables

Supplemental table 1. Body composition centiles by age group and sex

Sex	Age group	FFMI – Centiles							FMI - Centiles							FFM to FM - Centiles						
		2	9	25	50	75	91	98	2	9	25	50	75	91	98	2	9	25	50	75	91	98
Men	60	13.2	14.5	15.9	17.3	18.8	20.3	22	1.7	2.8	4	5.7	7.9	10.5	13.9	1.3	1.7	2.1	2.8	3.8	5.4	8.4
	70	13.1	14.3	15.5	16.8	18.2	19.7	21.4	1.9	2.9	4.2	5.8	7.9	10.4	13.7	1.3	1.7	2.1	2.8	3.7	5.2	8
	80	12.8	13.8	14.9	16.1	17.4	18.9	20.7	1.9	2.8	3.9	5.3	7.1	9.3	12.2	1.4	1.7	2.1	2.7	3.6	5.1	7.7
	90	12.3	13.2	14.1	15.3	16.6	18.1	20.1	2.1	2.9	4	5.3	7	9.2	12.1	1.4	1.7	2.1	2.7	3.5	4.9	7.4
Women	60	12.9	14	15.2	16.4	17.7	19	20.5	2.5	5.3	8	10.7	13.4	16	18.8	0	0.6	1.1	1.7	2.3	2.8	3.4
	70	12.5	13.5	14.6	15.7	17	18.3	19.9	1.5	4.4	7	9.7	12.5	15.1	18	0.1	0.7	1.2	1.8	2.4	2.9	3.5
	80	12	13	14	15.1	16.3	17.7	19.3	0.9	3.6	6.2	8.8	11.4	14	16.7	-0.3	0.5	1.3	2.1	2.9	3.7	4.5
	90	11.5	12.5	13.4	14.5	15.7	17	18.6	0.6	3.1	5.5	7.9	10.3	12.6	15.1	0.1	0.7	1.4	2	2.6	3.3	3.9

Supplemental table 2. Descriptive models of participant characteristics in association with body composition status of the study population.

	FFMI			FMI			FFM to FM			BMI		
	beta	SE	P value	beta	SE	P value	beta	SE	P value	beta	SE	P value
Men												
Age	-0.04	0.01	0.000	-0.01	0.01	0.447	-0.01	0.01	0.277	-0.05	0.02	0.004
Kikuyu Tribe	-0.02	0.21	0.909	0.59	0.29	0.043	-0.45	0.19	0.019	0.57	0.43	0.192
Kalenjin Tribe	-0.51	0.23	0.027	0.00	0.33	1.000	-0.24	0.22	0.265	-0.49	0.49	0.311
Urban	0.81	0.16	0.000	1.44	0.23	0.000	-0.57	0.15	0.000	2.27	0.34	0.000
Primary Education	0.39	0.19	0.043	-0.13	0.27	0.626	0.14	0.18	0.425	0.22	0.41	0.591
Secondary/College/Univ	0.87	0.23	0.000	0.48	0.32	0.140	-0.19	0.21	0.378	1.33	0.48	0.005
Former smoker	-0.29	0.19	0.133	-0.12	0.28	0.672	0.24	0.18	0.189	-0.42	0.41	0.308
Current smoker	-1.51	0.22	0.000	-1.86	0.31	0.000	0.79	0.20	0.000	-3.32	0.46	0.000
Former alcohol	-0.09	0.18	0.618	-0.10	0.25	0.697	-0.22	0.16	0.182	-0.14	0.37	0.695
Current alcohol	-0.29	0.21	0.160	-0.30	0.29	0.303	-0.04	0.19	0.829	-0.60	0.44	0.168
Constant	19.52	0.67	0.000	6.38	0.95	0.000	4.43	0.63	0.000	25.97	1.41	0.000
Women												
Age	-0.04	0.01	0.000	-0.04	0.02	0.009	0.01	0.00	0.154	-0.08	0.02	0.000
Kikuyu Tribe	0.09	0.21	0.650	0.64	0.45	0.152	-0.19	0.11	0.089	0.75	0.61	0.215
Kalenjin Tribe	-0.03	0.23	0.899	0.32	0.50	0.531	-0.02	0.13	0.849	0.29	0.68	0.668
Urban	0.60	0.14	0.000	1.61	0.31	0.000	-0.05	0.08	0.502	2.24	0.42	0.000
Primary Education	0.52	0.13	0.000	1.15	0.28	0.000	-0.23	0.07	0.002	1.68	0.39	0.000
Secondary/College/Univ	0.79	0.20	0.000	2.20	0.44	0.000	-0.42	0.11	0.000	3.05	0.60	0.000
Former smoker	-0.80	1.04	0.440	-0.04	2.23	0.984	-0.16	0.57	0.782	-0.81	3.03	0.790
Current smoker	-0.87	0.81	0.283	-1.51	1.73	0.384	0.91	0.44	0.039	-2.33	2.36	0.323
Former alcohol	-0.23	0.13	0.076	-0.17	0.27	0.526	-0.02	0.07	0.746	-0.43	0.37	0.248
Current alcohol	-0.74	0.25	0.004	-1.64	0.54	0.003	0.39	0.14	0.005	-2.44	0.74	0.001
Constant	18.32	0.54	0.000	11.28	1.16	0.000	1.80	0.29	0.000	29.61	1.58	0.000

Reference levels: Mixed tribe; rural; no education

The coefficient for age is the increase for 1 year.