

Supplemental Appendix U
External Validation Data

Author	Journal	Year	Volume	Starting		Study Burden	Medical condition	Athletic status	n	Sex	BMI		Age, y	Ethnicity	Weight, kg
				page	Ending page						Mean	SD			
				Mean	SD										
Bexelius	J Med Internet Res	2010	12	e2		1	1 NA	22	1	1	35.1	8.3	NA	67.2	
Brock	Int J Obes	2011	35	309	312	1	1 NA	65	1	2	32.3	6.9	NA	77.5	
Brock	Int J Obes	2011	35	309	312	1	1 NA	78	1	2	35.9	5.7	NA	77.9	
Champagne	J Am Diet Assoc	2002	102	1428	1432	1	1 NA	10	1	1	36.4	13.7	NA	61.3	
Champagne	J Am Diet Assoc	2002	102	1428	1432	1	1 NA	10	1	1	33.43	11.6	NA	63.3	
Conway	J Clin Epidemiol	2002	55	392	399	1	1 NA	24	0	2	42	11.3	NA	81.5	
Del Corral	Obesity	2011	19	1177	1181	1	1 NA	28	1	2	35	5.82	NA	66.8	
Del Corral	Obesity	2011	19	1177	1181	1	1 NA	23	1	2	33.4	5.28	NA	64.5	
Gibney	Int J Obes Rapid	2003	27	641	647	1	3 NA	6	1	3	43.7	9.2	NA	140.2	
Guidotti	Commun Mass Spec	2016	30	143	150	2	1 NA	30	0	1	36.1	13.2	NA	84.9	
Hopkins	Int J Obes	2016	40	312	318	1	1 NA	30	0	2	42.9	13.1	NA	82.7	
Hopkins	Int J Obes	2016	40	312	318	1	1 NA	29	1	2	42.5	14.3	NA	68.9	
Hunter	AJCN	2000	71	500	506	1	1 NA	18	1	1	35.6	6.9	AA	63.3	
Hunter	AJCN	2000	71	500	506	1	1 NA	17	1	1	35.2	7.4	C	65.1	
Hunter	J Appl Physiol	2002	93	70	76	1	1 NA	83	1	1	34	6.1	NA	63.9	
Hunter	Med Sci Sports	2015	47	1950	1957	2	1 NA	140	1	2	35.6	5.5	NA	78.1	
Ishikawa-Takata	Eur J Clin Nutr	2008	62	885	891	1	1 NA	19	0	1	25.1	2.7	AS	65	
Ishikawa-Takata	Eur J Clin Nutr	2008	62	885	891	1	1 NA	18	0	1	33.8	3.3	AS	67.4	
Ishikawa-Takata	Eur J Clin Nutr	2008	62	885	891	1	1 NA	18	0	1	43.8	2.5	AS	70.8	
Ishikawa-Takata	Eur J Clin Nutr	2008	62	885	891	1	1 NA	19	0	1	53.3	2.5	AS	67.5	
Ishikawa-Takata	Eur J Clin Nutr	2008	62	885	891	1	1 NA	17	1	1	24.9	2.7	AS	54.1	
Ishikawa-Takata	Eur J Clin Nutr	2008	62	885	891	1	1 NA	22	1	1	33.7	2.8	AS	55	

Ishikawa-Takata	Eur J Clin Nutr	2008	62	885	891	1	1 NA	22	1	1	44	3 AS	53.9
Ishikawa-Takata	Eur J Clin Nutr	2008	62	885	891	1	1 NA	15	1	1	52.7	2 AS	53.9
Johannsen	Obesity	2008	16	34	39	1	1 NA	10	1	1	39.6	5.9 NA	39.6
Johannsen	Obesity	2008	16	34	39	1	2 NA	10	1	3	38.5	6.1 NA	38.5
Lof	Eur J Clin Nutr	2011	65	1295	1301	1	1 NA	21	1	1	36	8 NA	67.3
Lof	Eur J Clin Nutr	2011	65	1295	1301	1	1 NA	18	1	1	32	4 NA	74.8
Okubo	Eur J Clin Nutr	2008	62	1343	1350	1	1 NA	67	0	1	39.4	11.1 AS	67.3
Okubo	Eur J Clin Nutr	2008	62	1343	1350	1	1 NA	73	1	1	38.5	10.4 AS	53.9
Siervo	Am J Physiol Endocrin Metab	2008	294	E416 E424		1	1 NA	6	0	1	43.33	10.61 NA	68.96
Siervo	Metabolism	2015	64	896	904	2	1 NA	6	0	3	39	13 NA	107.2
Siervo	Metabolism	2015	64	896	904	2	1 NA	6	0	3	46	10 NA	107.3
Siervo	Metabolism	2015	64	896	904	2	1 NA	6	0	3	44	7 NA	105.6
Slinde	Obesity	2013	21	2231	2235	1	1 NA	62	1	2	33.2	4.2 NA	85.8
Walsh	AJCN	2004	79	1013	1019	1	1 NA	21	1	2	36.5	6.1 C	78.7
Walsh	AJCN	2004	79	1013	1019	1	1 NA	20	1	2	36	5.8 AA	78
Walsh	AJCN	2004	79	1013	1019	1	1 NA	20	1	1	31.8	5.5 C	62.3
Walsh	AJCN	2004	79	1013	1019	1	1 NA	14	1	1	31.9	4.7 AA	59.9
Walsh	AJCN	2004	79	1013	1019	1	1 NA	21	1	2	36.5	6.1 C	65.2
Walsh	AJCN	2004	79	1013	1019	1	1 NA	20	1	2	36	5.8 AA	65.5
Weinsier	AJCN	2000	71	1138	1146	1	1 NA	18	1	2	38.1	6.9 C	79.5
Weinsier	AJCN	2000	71	1138	1146	1	1 NA	14	1	2	37.9	7.2 AA	78
Weinsier	AJCN	2000	71	1138	1146	1	1 NA	18	1	1	38.1	6.9 C	66
Weinsier	AJCN	2000	71	1138	1146	1	1 NA	14	1	1	37.9	7.2 AA	65.7
Weinsier	AJCN	2002	75	499	504	1	1 NA	27	1	1	31.7	4.8 NA	61.7

Weinsier	AJCN	2002	75	499	504	1	1 NA	27	1	1	32.8	4.8 NA	
Weinsier	AJCN	2002	75	499	504	1	1 NA	20	1	1	37.6	5.7 NA	66.7
Weinsier	AJCN	2002	75	499	504	1	1 NA	20	1	2	38.7	5.7 NA	
Whybrow	Br J Nutr	2013	109	173	183	1	1 NA	7	1	2	38.1	12 NA	68.1
Whybrow	Br J Nutr	2013	109	173	183	1	1 NA	7	0	2	39.7	9.4 NA	83.4
Friedman	PLoS One	2019	14 e0222971			2	1 NA	17	0	2	33	7.4 O	87.4
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	0		3		16.4
Livingstone	AJCN	1992	56	29	35	1	1 NA	2	1		3		15.9
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	0		5		17.9
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	1		5		18.1
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	0		7.5	0.3	25.4
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	1		7.8	0.3	23.5
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	0		9.3	0.2	30.2
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	1		9.4	0.2	32.2
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	0		12.7	0.3	44.5
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	1		12.5	0.4	44.8
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	0		15.4	0.4	56.4
Livingstone	AJCN	1992	56	29	35	1	1 NA	6	1		15.6	0.4	57.2
Livingstone	AJCN	1992	56	29	35	1	1 NA	5	0		18		78.5
Livingstone	AJCN	1992	56	29	35	1	1 NA	5	1		18		63.9
Livingstone	AJCN	1990	52	59	65	1	1 NA	9	0		29.4	6.4	81.9
Livingstone	AJCN	1990	52	59	65	1	1 NA	5	1		34.2	6.9	58.3
Smith	EJAP	2018	118	647	656	1	1 AA	14	0	1	19	0.5 NA	89.8
Smith	EJAP	2018	118	647	656	1	1 AA	13	0	1	18.6	1.7 NA	88.4
Kimm	Obesity	2006	14	156	164	1	1 NA	59	1		19.5	0.8 AA	74.5
Kimm	Obesity	2006	14	156	164	1	1 NA	59	1		19.4	0.6 C	65.5
Melby	IJO	2000	24	1514	1522	3	2 NA	9	1	1	22.5	2.7 AA	58.4
Melby	IJO	2000	24	1514	1522	3	2 NA	8	1	1	21.9	3.4 C	59.8
Bossu	AJP	2007	292	E132 E137		1	1 NA	7	1	1	22	C	

Bossu	AJP	2007	292	E132 E137		1	1 NA	7	1	1	22	C	
Hise	AJCN	2002	75	263	267	1	1 NA	32	1	2	22.1	4.3 NA	80.7
Hise	AJCN	2002	75	263	267	1	1 NA	22	0	2	22.7	3.8 NA	97.5
Ptomey	J Acad Nutr Diet	2015	115	1392	1399	1	1 NA	46	0	3	23.4	3.2 C	99.8
Ptomey	J Acad Nutr Diet	2015	115	1392	1399	1	1 NA	45	1	3	22.4	3 C	81.4
Brinkmans	J Sports Sci	2019	37	2759	2767	1	1 PA	41	0	1	23	4 C	77.6
Washburn	MSSE	2003	35	1374	1380	2	1 NA	17	0	2	23.9	3.8 O	95.1
Washburn	MSSE	2003	35	1374	1380	2	1 NA	29	1	2	23.3	4.6 O	79.1
Andersen	EJCN	2003	57	279	284	1	1 NA	17	1	1	23.7	2.5 C	62
Weber	EJCN	2001	55	940	950	1	1 NA	8	1	1	22.8	3.1 NA	56.6
Weber	EJCN	2001	55	940	950	1	1 NA	8	1	3	25.1	6.4 NA	83.9
Leenders	MSSE	2001	33	1233	1240	1	1 NA	13	1		25.8	1.6 NA	65.5
Hoyt	Diab Tech Ther	2004	6	71	81	1	1 NotAUA	8	0	1	27	4 NA	83.2
Whybrow	BJN	2008	100	1109	1115	2	1 NA	6	1	1	24.7	5.9 NA	66.7
Whybrow	BJN	2008	100	1109	1115	2	1 NA	6	0	1	29.7	5.9 NA	75.2
Gradmark	BMC Pregn Child	2011	11	44		2	1 NA	32	1		30.4	2.9 NA	76.1
Gradmark	BMC Pregn Child	2011	11	44		2	1 NA	69	1		28.6	4.4 NA	76.7
Blanton	J Nutr	2006	136	2594	2599	1	1 NA	20	1	1	30	3.9 O	60.8
Lof	BJN	2003	90	961	968	1	1 NA	34	1		30	4 C	67
Gemming	BJN	2015	113	284	291	1	1 NA	20	0		34.8	12.6 O	86.3
Gemming	BJN	2015	113	284	291	1	1 NA	20	1		27.1	7.5 O	61.3
Tran	JADA	2000	100	777	783	1	1 NA	35	1		30.2	6.7 NA	70.5
Macena	BJN	2019	122	1398	1408	1	1 NA	45	1		31	5 O	71.3
Boushey	Nutrients	2017	9	312		1	1 NA	15	0		32	9	87
Boushey	Nutrients	2017	9	312		1	1 NA	30	1		33	13	73
Abbott	Eur J Clin Nutr	2004	58	285	291	1	1 NA	23	0		8.5	0.9 NA	30
Abbott	Eur J Clin Nutr	2004	58	285	291	1	1 NA	24	1		8.4	0.9 NA	30.1
Ball	AJCN	2001	74	524	528	1	1 NA	52	0		7.8	0.9 NA	27.6
Ball	AJCN	2001	74	524	528	1	1 NA	54	1		7.8	0.9 NA	28.1
Barnard	Eur J Clin Nutr	2002	56	358	367	1	1 NA	7	0		37.1	9.6 NA	

Barnard	Eur J Clin Nutr	2002	56	358	367	1	1 NA	8	1	35.4	13.1 NA		
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	73	1	7.5	2 NA	28.5	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	80	1	13.4	1 NA	54.7	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	91	1	31.9	11 NA	70	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	79	1	57	5 NA	76.5	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	64	1	72.9	6 NA	73.5	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	74	0	7.1	2 NA	26.6	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	76	0	12.8	1 NA	53	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	89	0	29.2	11 NA	82.7	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	83	0	56.4	5 NA	86.7	
Brage	Int J Epidemiol	2020	49	1007	1021	1	1 NA	61	0	73.3	6 NA	82.8	
Bray	Int J Obes	2012	36	448	455	2	2 NA	49	0	54.1	8.2 NA	105	
Bray	Int J Obes	2012	36	448	455	2	2 NA	50	1	52.4	9.8 NA	86	
Das	J Nutr	2004	134	1412	1416	1	3 NA	12	1	3	36.17	1.7 NA	106.74
Das	J Nutr	2004	134	1412	1416	1	3 NA	10	1	3	40.1	1.58 NA	134.29
Das	J Nutr	2004	134	1412	1416	1	3 NA	8	1	3	35.38	2.55 NA	161.98
Hoffman	AJCN	2000	72	1025	1031	1	1 NA	15	0	10.17	1.58 NA	32	
Hoffman	AJCN	2000	72	1025	1031	1	1 NA	15	1	10	1.25 NA	30.9	
Jackson	AJCN	2009	89	1031	1036	1	1 NA	32	0	4.02	1.48 NA	18	
Jackson	AJCN	2009	89	1031	1036	1	1 NA	34	1	4.1	1.2 NA	17.66	
Judice	PLoS One	2013	8	e68936		2	1 NA	21	0	1	24.3	4.5 NA	72.4
Kinnunen	PLoS One	2019	14	e0219563		3	1 NA	15	0	2	30	6 NA	81.6
Montgomery	AJCN	2004	80	591	596	1	1 NA	52	0	1	5.6	NA	
Montgomery	AJCN	2004	80	591	596	1	1 NA	52	1	1	5.4	NA	
Nielsen	BrJ Nutr	2013	109	2036	2043	1	1 NA	17	0	1	0.27	0.02 NA	6.81
Nielsen	BrJ Nutr	2013	109	2036	2043	1	1 NA	16	0	1	0.44	0.03 NA	7.88
Nielsen	BrJ Nutr	2013	109	2036	2043	1	1 NA	19	1	1	0.28	0.03 NA	6.41
Nielsen	BrJ Nutr	2013	109	2036	2043	1	1 NA	17	1	1	0.44	0.02 NA	7.46
O'Connor	AJCN	2001	74	643	649	1	1 NA	22	0	1	7.2	0.7 NA	25
O'Connor	AJCN	2001	74	643	649	1	1 NA	25	1	1	7.6	0.9 NA	26.5

Rennie	AJCN	2005	82	13	20	1	1 NA	29	0	1	6.7	0.7 NA	24.5
Rennie	AJCN	2005	82	13	20	1	1 NA	31	0	1	6.5	0.8 NA	26.1
Rennie	AJCN	2005	82	13	20	1	1 NA	21	1	1	6.7	0.6 NA	22.4
Rennie	AJCN	2005	82	13	20	1	1 NA	19	1	1	6.7	0.7 NA	25
Rothenberg	BJN	2000	84	319	324	1	1 NA	13	1		94 NA	NA	61.3
Rothenberg	BJN	2000	84	319	324	1	1 NA	8	0		94 NA	NA	67.2
Silva	Eur J Appl Physiol	2012	112	2727	2737	1	1 AA	9	1		16.3	0.5 NA	64.3
Singh	AJCN	2009	89	1744	1750	1	1 NA	20	1		13.4	0.8 NA	85.8
Singh	AJCN	2009	89	1744	1750	1	1 NA	14	0		13.7	0.7 NA	73.1
van Hees	PLoS One	2011	6	e22922		1	1 NA	65	1		28	4 NA	77.3
van Hees	PLoS One	2011	6	e22922		1	1 NA	30	1		30	3 NA	76.9
Teegarden	Obesity	2008	16	1566	1572	1	1 NA	9	1		23.3	3.2 NA	76.8
Teegarden	Obesity	2008	16	1566	1572	1	1 NA	6	1		22.4	3.7 NA	68.2
Teegarden	Obesity	2008	16	1566	1572	1	1 NA	9	1		21	2.6 NA	72.2
Waling	J Nutr	2009	139	522	527	1	1 NA	11	1		10.6	1.1 NA	51.5
Waling	J Nutr	2009	139	522	527	1	1 NA	10	0		10.4	1.1 NA	51.1
Yoshimura	J Diab Invest	2019	10	522	527	1	1 NA	10	0		55	7 AS	68.4
Baarends	Am J Resp Crit Care Med	1997	155	549	554	1	1 NA	8	9		72.8	6.1 NA	
Bornhorst	Clin Nutr	2014	33	79	84	1	1 NA	17	0		6.7	1.4 NA	24.4
Bornhorst	Clin Nutr	2014	33	79	84	1	1 NA	19	1		6.7	1.4 NA	24.4
Ekelund	MSSE	2002	34	1360	1366	1	1 AANCT	8	0		18.2	1.3 NA	75.7
Chomistek	MSSE	2017	49	1935	1944	1	1 NA	684	1		62.8	9.4 NA	70.7
Chomistek	MSSE	2017	49	1935	1944	1	1 NA	611	0		67.9	7.7 NA	81.4

SD	Height, cm		BMI, kg/m ²		FFM, kg		FM, kg		TEE, kcal/d		PAL		Notes
	Mean	STD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
13.3	169	6	23.7	3.8					2582	337	1.83	0.14	
6.8			28.2	1.2			33.5	5	2029	422			African American & European-American Women
7.3			28.3	1.3			34	4.4	2098	368			African American & European-American Women
9.04	163.6	7.66	23	4.2					2154	383			Dietitians, TEE given in mean & 95CI, calculated STD using mean, n and CI
12.75	165.6	5.89	23.1	4.52					2315	328			Non-Dietitians, TEE given in mean & 95CI, calculated STD using mean, n and CI
10.29	178	9.8	25.6	2.94					3236	445			BMR, mean +/- SEM not SD, FM in %
5.82	166	5.29							2092	265			Low adherence, BMR=RMR
5.28	165	4.8							1866	288			High adherence, BMR=RMR
29.3	160	11	52.4	10.4	62.2	13.8	74	20.8	3310	537			
12.6	181.2	8.2							2532	654	1.48	0.33	Mean+/-SE and not SD
14.5	180	10	26.7	4			23.6522	7.4	2900	485	1.7	0.28	FM in %
10.3	170	10	25.4	3.5			23.6327	6.5	2367	420	1.69	0.24	FM in %
6.8			23.9	1.1	44.6	4	18.5	4.1	1969	342			REE for BMR
5.6			23.6	1.1	43.8	5	21.7	4.3	2177	267			REE for BMR
6.2			23.6	1.2			17.892	6.2	2008	333			FM in %
6.9			28.2	1.4	44.7	3.7	33.4	4.8	2194	271	1.57	0.21	BMR = REE, 3 groups from a total of 140 women but exact number in each group was not provided
11.2	171.2	6.1	22.1	3					2630	373	1.72	0.29	No FFM or FM but provided TBW in kg for all subjects
10.7	168.9	5.2	23.6	3.7					2654	525	1.78	0.2	No FFM or FM but provided TBW in kg for all subjects
8.9	170.4	7.5	24.4	2.6					2580	363	1.67	0.2	No FFM or FM but provided TBW in kg for all subjects
7.9	166.5	5.4	24.3	2.4					2443	311	1.71	0.14	No FFM or FM but provided TBW in kg for all subjects
8.9	160.6	7.2	20.9	3					1980	361	1.58	0.29	No FFM or FM but provided TBW in kg for all subjects
8	159.6	4.3	21.6	3					2037	394	1.76	0.29	No FFM or FM but provided TBW in kg for all subjects

7.4	157	6.1	21.9	2.8					2006	234	1.75	0.22	No FFM or FM but provided TBW in kg for all subjects
4.9	153.9	4.5	22.7	1.5					1951	220	1.77	0.22	No FFM or FM but provided TBW in kg for all subjects
5.9	169	5	23	1.6	44.9	3.5	17.1	3.5	2519	418			No BMR but RMR
6.1	167	5	32.7	3.1	51	3	36.2	6.7	2593	319			No BMR but RMR
13.5	169	6	23.5	4					2625	334	1.86	0.16	Non-pregnant controls
9.6	24	6	24	3					1672	203	1.59	0.14	Pregnant @ 32 wk
9.7	169.3	6.3	23.3	2.9					2556	406	1.7	0.21	
7.3	157.9	6.1	21.6	2.7					1982	287	1.69	0.27	
8.81	180	3	21.9	1.9			14.41	6.57	2651	167	1.6		Overfeeding study. Only extracting the baseline values
11.5	176	6	34.7	2.5	68.4	7.1	38.7	6.5					Weight loss study on obese men separated into 3 groups. Extracting only the baseline data. No baseline TEE for group 1? Confirmed by committee
15	175	5	34.9	3.5	62	6.9	45.3	9.9	3726	549			Weight loss study on obese men separated into 3 groups. Extracting only the baseline data. No baseline TEE for group 1 ?
10.2	177	4	33.7	1.9	64.6	3.6	40.8	8.7	4132	549			Weight loss study on obese men separated into 3 groups. Extracting only the baseline data. No baseline TEE for group 1 ?
9.8	169	6.8	30	2.8					2765	380	1.83	0.17	Lactating women between 8 and 12 wk postpartum
5.3			29.1	1.7	45.1	3.5	33.6	4.1	2234	396			Overweight white before weight loss
9.2			28.6	1.8	45.1	5.3	32.9	5.4	2118	343			Overweight AA before weight loss
4.7			23.1	1	42.1	4.1	20.2	2.9	2017	237			Controls
5.7			23	1.6	41.6	3.2	19	4.5	1992	340			Controls
4.5			23.9	1.1	43.9	3.3	21.3	3.9	2082	256			Overweight white after weight loss
7.9			24	0.9	43.7	5	21.8	4.7	1869	399			Overweight AA after weight loss
5.9			29.1	1.7	48	3.5	32.2	3.9	2226	394			Overweight white before weight loss
8.1			28.9	2.1	48.2	4.7	28.5	5.3	2090	375			Overweight AA before weight loss
4.8			24	1.2	45.3	3.6	21.3	3.8	2150	263			Overweight white after weight loss
6.7			24.1	0.9	45.1	3.9	19.5	4	1928	418			Overweight AA after weight loss
5.6			23.1	0.9			20.4	4.2	2221	368	1.68	0.260	Maintainers at baseline, FM was expressed as %

								2169	351	1.73	0.312	Maintainers 1.1 y later, FM was expressed as %	
6.2			24.2	0.8			23.1	4.1	1959	302	1.55	0.268	Gainers at baseline, FM was expressed as %
									1907	363	1.6	0.268	Gainers 1.1 y later, FM was expressed as %
12.8	163	5	25.2	5.08					2030	263	1.52	0.14	BMR = REE
23.4	178	9	26.2	6.39					2627	454	1.61	0.2	BMR = REE
15.3	NA	NA	28.8	3.30					2995	186			These data are from baseline, before ketogenic diet - I used O for ethnicity as multiple races combined
1.5	100.1	2.3							1292	177			
1.9	103	0.6							1154	31			
2.5	111.6	7.1							1624	241			
2.2	110.2	4.4							1285	265			
6.6	125.8	7.5	15.8	2.2					1906	447			
2.2	120.4	4.5	16.3	1.2					1736	153			
8.4	135.2	8.3	16.1	2.5					2312	239			
3.6	134	5.7	18.4	1					1885	182			
6.7	152.1	8.3	18.8	2					2623	241			
3.9	157.3	7.2	18.2	1.1					2412	258			
9.1	173.1	7.7	17.2	2.3					3112	697			
9.2	162.2	10.4	22.4	4.7					2482	485			
14.1	181.3	2.2							3996	745			
16.2	159.9	8.1							2451	342			
13.8	178	7	26	3.8					3607	728			
8.4	162	6	22.2	2.6					2195	225			
17	181.5	5.1			71.4	6.7			4369	979	1.9	0.36	
11.4	180.8	4.8			70.2	7.9			4365	1122	2.07	0.46	
19.8	165.3	6.7	27.3	6.9			25.6	14.3	2422	430			
11.9	164.6	5.5	24.3	4.6			19.9	8.5	2480	479			
6.3			21.8	2.4	45.66	4.83			1664	237	1.39	0.05	
7.637			22.5	2.3	45.07	3.42			2264	574	1.8	0.12	
			15.5						2003	236	1.75	0.12	Constitutional thinness - determined to not be pathological

			21.2	1.1					2102	202	1.57	0.07	Controls
9.7			29.5	2.8	50.8	5.3	29.9	6.5	2594	420	1.65	0.25	
10.4			30.3	2.9	69.9	5.9	27.6	6.3	3377	676	1.63	0.31	
14.6	177.5	7.6	31.7	4.4					3236	667			
15.4	165.7	6	29.5	4.5					2453	608			
8	182	6	23.3	1.5	68.6	7.2			3285	354	1.75	0.13	
11.9	178.9	8.3	29.8	2.7					3318	657			
9.9	163.7	6.6	29.4	2.8					2572	349			
7.6	169	7	21.8	2.2					2205	478			
6.8	162.8	8.9	21.4	2.2	47.4	6.3			2653	607			Lean
9.6	162	5.8	32	3.5	49.5	5.4			2859	289			Obese
7.2	166.9	5.4	23.5	2.2					2371	397			
10.7	182.2	4.5							3652	198			US Marines
9.1	170	9	22.9	1.6					2197				
15.3	175	11	24.2	2.2					2914				
14.1	167	6	27.4	5	49.7	4.7	26.4	11	2673	282			Pregnant
19.2	167	7	27.4	6.5	47.5	6.1	29.2	14.7	2644	377			Non-pregnant
7.5	166	10	22.1	1.9					2127	449			
10	167	7	24	4	43	5			2549	327	1.98	0.21	
14.7	178	6.1	27.1	3.9					3461	628			
9.7	165.3	6.9	22.3	2.3					2589	392			
21.3	162.3	7.6	28.3	7.4					2644	503			
9.6	155.3	7.3	29.6	3.2					2147	268			
20	180	7	27	5					3546	681			
19	166	6	26	7					2626	492			
6.7	133	9	16.7	1.9	22.2	3.9	7.8	3.9	1988	253	1.71	0.14	
5.8	131	6	17.4	2.4	20.2	2.4	9.9	3.4	1888	185	1.72	0.19	
6.3	127.9	8.4	16.7	2.3	20.5	3.8	7.1	3.8	1881	271	1.69	0.22	
6.1	127.1	7.2	17.2	2.4	19.2	2.8	8.8	4	1795	286	1.71	0.23	
			23.8	5.3					3630	1083			Only %BF and weight change were reported, no height measurements were presented

			25.9	3.9					4115	1639			Only %BF and weight change were reported, no height measurements were presented
9	127	13	17.2	3					1697	239			Provided FFMI, FMI and %BF only
13	159	8	21.4	4					2342	478			Provided FFMI, FMI and %BF only
17	164	7	26.2	6					2581	478			Provided FFMI, FMI and %BF only
16	162	6	29.3	6					2462	239			Provided FFMI, FMI and %BF only
14	160	7	28.7	5					2199	239			Provided FFMI, FMI and %BF only
6	126	11	16.6	2					1840	239			Provided FFMI, FMI and %BF only
13	159	10	20.6	4					2701	478			Provided FFMI, FMI and %BF only
19	178	6	26.2	6					3322	717			Provided FFMI, FMI and %BF only
15	175	7	28.2	4					3107	478			Provided FFMI, FMI and %BF only
14	172	6	28	4					2725	478			Provided FFMI, FMI and %BF only
14.4	176	5.8	33.8	4	63.6	6.8	41.9	10.3	3055	427	1.69	0.17	
12.6	162	6.3	32.7	4.2	46.3	6.1	40.5	9.6	2464	433	1.73	0.23	
0.69	161.78	1.39	40.84	2.46					3059	413	1.61	0.21	
0.95	164.94	0.95	49.47	3.16					3513	378	1.67	0.13	
1.7	163.73	1.7	60.3	6.22					3848	608	1.62	0.14	
5.2	134	8							2158	368			Extract data from non-stunted children only
6.2	136	10							1931	96			Extract data from non-stunted children only Data in Table 1 incorrect for height. Values in table probably were in meters and not "cm". Confirmed and corrected by committee
5.14	105	11			11.84	2.72	6.72	3	1615	328			
5.01	104	10			10.68	2.8	7.47	3.13	1398	364			
9.4	176	7	23.7	2.4	59.9	6.9	11.7	4.3	3107	438			
12.1	180	8	25.1	3.4	58	6.5	23.5	6.6	2694	323			
			16.2						1601		1.66		
			15.6						1362		1.48		
0.77	62.4	2.1			4.92	0.55	1.81	0.39	484	81			
0.81	66.3	2			5.6	0.62	2.21	0.51	583	115			
0.69	61.3	2.2			4.64	0.46	1.69	0.37	441	41			
0.83	65.5	2.3			5.22	0.58	2.19	0.39	509	60			
4.6	123.3	5.4	16.4	2.3					1811	283			
5.8	123.9	6.8	17.1	2.3					1730	326			

4	126	6	15.5	1.8					1862	263	1.76	0.16	
5.3	126	10	16.3	1.5					1938	287	1.77	0.17	
3.1	122	5	15.1	1.5					1539	163	1.62	0.14	
3.7	123	5	16.7	1.9					1706	194	1.72	0.18	
12.5	159	8	24.2	4.4	40.4	7.3	20.8	8	1506	194	1.19	0.19	Mean (SD) age not given, all 91-96 years
7.3	170	4	23.2	2.4	48.8	5.9	18.3	4.7	1936	174	1.36	0.21	Mean (SD) age not given, all 91-96 years
7.1	175	49	21.1	2.7	49.2	4.4	14.9	3.4	3046	375	2.21	0.49	
14.1	160.9	5.2	33	4.9	44.3	5.7			2835	336	2.02	0.41	
13.9	162.9	6.7	27.4	4.3	43.7	7			3332	312	1.99	0.32	
19.2	167	7	27.8	6.6					2670	390	1.73	0.23	Non-pregnant controls
14.8	167	6	27.7	5.3					2670	296	1.78	0.16	Pregnant - measured at 28-32 weeks gestation
1			28.8	2.9	38.2	3.2	32.8	5	2438	310			
2.9			27.1	1.5	40.5	4.4	28.8	2.5	2470	328			
2.3			27.2	1	41.7	4.5	30.7	2.8	2323	304			
8.7	149	7	22.9	2.3					2533	423	1.65	0.33	
11	147	8.9	23.1	2.9					2605	385	1.7	0.18	
7.2	168.5	6.7	24	1.8	50.2	5.2	17.3	4.7	2284	243			
			22.4	2.5	48.5	3.3			2107	88			
5	121.1	7.8							1574	219			Data for age, ht & wt not presented by sex; TEE presented by sex
5	121.1	7.8							1477	226			Data for age, ht & wt not presented by sex; TEE presented by sex
7	179	3			66	6.9			4015	908	2	0.4	
14.9			26.3	5.2					2198	367			
12			26	3.5					2778	426			

Ethnicity

A	African
AA	African American
AS	Asian
C	Caucasian
H	Hispanic
O	Other
NA	Unknown

Athletic status

PA	Professional athletes
AA	Amatuer athletes
PANCT	Professional athletes not competing or training
AANCT	Amatuer athletes not competing or training
NotAUA	Non athletes but engagd in unusual high level of activity
NA	Unknown

Study burden

- 1
- 2
- 3
- 4

Medical conditions

- 1
- 2
- 3

Gender

- 0 Male
- 1 Female
- 2 Combined

BMI status

- 1 Normal
- 2 Overweight
- 3 Obese