

Supplemental Table 1. Characteristics of the subjects with complete data on the first 24-h dietary recall: NHANES 1999-2012 (n 22949)\*

(Mean values with their standard errors)

	n	%	SE	EI (kJ/d)†		BMR (kJ/d)‡		EER (kJ/d)§		EI:BMR		EI:EER	
				Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
All	22949	100	0	8461	42	5556	24	8631	34	1.59	0.007	1.02	0.004
Sex													
Boys	11677	51.2	0.6	9320	65	6007	34	9349	51	1.63	0.011	1.04	0.007
Girls	11272	48.8	0.6	7558	42	5083	20	7877	28	1.55	0.009	1.00	0.005
P				< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001	
Age group													
2-5 y	5055	21.3	0.5	6676	42	3585	10	5821	19	1.87	0.012	1.16	0.008
6-11 y	6888	33.9	0.6	8317	62	5007	18	7817	27	1.69	0.013	1.08	0.008
12-19 y	11006	44.8	0.7	9417	70	6908	24	10580	37	1.38	0.010	0.90	0.007
P				< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001	
Race/ethnicity													
Non-Hispanic white	6588	60.1	1.4	8590	63	5583	36	8687	52	1.60	0.009	1.02	0.006
Non-Hispanic black	6562	14.2	0.9	8330	75	5675	36	8832	53	1.56	0.015	0.99	0.009
Mexican American	6698	12.7	0.9	8237	74	5446	34	8401	46	1.59	0.015	1.02	0.010
Others	3101	12.9	0.8	8223	102	5410	46	8374	69	1.59	0.019	1.02	0.012
P				0.0007		< 0.0001		< 0.0001		0.13		0.08	
Family poverty income ratio													
< 130%	10270	33.9	1.0	8430	80	5487	35	8515	54	1.61	0.013	1.03	0.008
130%-349%	8057	36.2	0.8	8352	65	5562	35	8639	53	1.57	0.013	1.00	0.008
≥ 350%	4622	29.9	1.1	8628	88	5628	41	8752	59	1.59	0.015	1.01	0.009
P				0.06		0.02		0.007		0.08		0.07	
Weight status¶													
Underweight	758	3.4	0.2	8622	229	4766	70	7458	112	1.82	0.034	1.16	0.022
Normal	14461	65.7	0.6	8491	49	5162	21	8106	33	1.68	0.008	1.07	0.005
Overweight	3527	15.0	0.4	8380	100	5949	43	9066	58	1.47	0.016	0.95	0.010
Obese	4203	16.0	0.5	8381	92	6980	57	10632	77	1.28	0.016	0.82	0.010
P				0.48		< 0.0001		< 0.0001		< 0.0001		< 0.0001	
Watching television and computer use													
< 2 h/d	7385	31.1	0.6	8291	78	5333	40	8289	59	1.62	0.014	1.04	0.009
≥ 2 to < 4 h/d	7506	33.5	0.5	8257	62	5179	32	8099	49	1.66	0.010	1.05	0.006
≥ 4 to < 6 h/d	4141	17.4	0.4	8772	96	5794	46	9013	68	1.58	0.016	1.01	0.010
≥ 6 h/d	3917	18.1	0.6	8830	102	6409	52	9831	78	1.43	0.015	0.93	0.010
P				< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001	
Survey cycle													
1999-2000	3214	12.3	0.8	8601	143	5465	62	8486	89	1.64	0.023	1.05	0.015
2001-2002	3820	15.1	0.9	8646	110	5584	38	8673	53	1.61	0.018	1.03	0.012
2003-2004	3523	14.4	0.9	8936	86	5585	74	8676	106	1.68	0.019	1.07	0.011
2005-2006	3750	14.7	1.0	8608	138	5594	73	8695	111	1.60	0.015	1.02	0.010
2007-2008	2832	14.3	0.8	8107	110	5539	73	8588	104	1.54	0.018	0.98	0.011
2009-2010	2957	14.1	0.9	8001	87	5541	51	8595	72	1.51	0.016	0.97	0.010
2011-2012	2853	14.9	1.0	8326	89	5570	56	8676	85	1.57	0.015	1.00	0.009
P				< 0.0001		0.76		0.61		< 0.0001		< 0.0001	

BMR, basal metabolic rate; EER, estimated energy requirement; EI, energy intake; NHANES, National Health and Nutrition Examination Survey.

\* All % and mean values are weighted to reflect the survey design characteristics. Analyses are based on subjects with complete data on the first 24-h dietary recall as well as complete information on the variables of interest.

† Based on the values obtained from the first 24-h dietary recall only.

‡ Estimated using Schofield's sex- and age-specific equations based on body height and weight.<sup>(34)</sup>§ Calculated using sex-, age-, and weight status-specific equations published from the US Dietary Reference Intakes based on sex, age and body height and weight assuming 'low active' level of physical activity for all subjects.<sup>(35)</sup>

|| Based on Wald's F test.

¶ Defined based on the percentile of body mass index-for-age:<sup>(31)</sup> < 5th percentile for underweight, ≥ 5th to < 85th percentile for normal, ≥ 85th to < 90th percentile for overweight, and ≥ 95th percentile for obese subjects.

Supplemental Table 2. Numbers and percentages of under-reporters, plausible, and over-reporters of EI based on data from the first 24-h dietary recall: NHANES 1999-2012 (n 22949)\*  
 (Percentages with their standard errors)

	Based on EI:BMR†									P §	Based on EI:EER‡									P §
	Under-reporters			Plausible reporters			Over-reporters				Under-reporters			Plausible reporters			Over-reporters			
	n	%	SE	n	%	SE	n	%	SE		n	%	SE	n	%	SE	n	%	SE	
All	2980	11.6	0.3	18612	83	0.5	1357	5.4	0.3		3708	14.7	0.4	17352	77.9	0.5	1889	7.3	0.3	
Sex										0.0002										0.0005
Boys	1458	10.6	0.5	9483	83.2	0.7	736	6.2	0.4		1804	13.4	0.5	8873	78.5	0.7	1000	8.1	0.5	
Girls	1522	12.7	0.5	9129	82.8	0.5	621	4.5	0.3		1904	16.1	0.5	8479	77.4	0.6	889	6.6	0.4	
Age group										< 0.0001										< 0.0001
2-5 y	151	2.4	0.3	4376	89	0.7	528	8.6	0.5		280	5.0	0.5	4084	83.7	0.8	691	11.3	0.6	
6-11 y	468	5.3	0.4	6012	89.2	0.6	408	5.5	0.5		659	7.5	0.4	5655	85.1	0.7	574	7.4	0.6	
12-19 y	2361	20.7	0.7	8224	75.5	0.7	421	3.8	0.3		2769	24.8	0.7	7613	69.8	0.7	624	5.4	0.3	
Race/ethnicity										< 0.0001										< 0.0001
Non-Hispanic white	671	10.4	0.5	5535	84.5	0.7	382	5.1	0.4		865	13.4	0.5	5193	79.8	0.7	530	6.8	0.4	
Non-Hispanic black	1013	15.0	0.7	5141	79.2	0.7	408	5.8	0.5		1249	18.6	0.8	4749	73.3	0.9	564	8.1	0.6	
Mexican American	912	12.3	0.7	5388	81.4	0.8	398	6.3	0.5		1122	15.8	0.8	5035	76.0	0.9	541	8.2	0.5	
Others	384	12.7	0.9	2548	81.6	1.1	169	5.6	0.6		472	15.6	1.0	2375	76.3	1.2	254	8.1	0.7	
Family poverty income ratio										< 0.0001										< 0.0001
< 130%	1424	12.7	0.5	8127	80.0	0.9	719	7.3	0.6		1749	15.8	0.6	7545	74.7	0.9	976	9.5	0.6	
130%-349%	1070	12.1	0.6	6559	83.2	0.6	428	4.7	0.4		1343	15.4	0.7	6112	78.1	0.7	602	6.5	0.5	
≥ 350%	486	9.9	0.7	3926	86.1	0.7	210	4.1	0.4		616	12.7	0.7	3695	81.5	0.8	311	5.9	0.5	
Weight status										< 0.0001										< 0.0001
Underweight	37	4.2	1.0	657	90.0	1.3	64	5.8	1.0		51	6.7	1.2	601	83	1.7	106	10.3	1.4	
Normal	1200	7.8	0.3	12196	85.7	0.5	1065	6.5	0.3		1621	10.7	0.4	11365	80.5	0.5	1475	8.8	0.4	
Overweight	585	14.7	1.0	2796	81.0	1.1	146	4.2	0.5		681	17.6	1	2654	77.2	1.1	192	5.2	0.6	
Obese	1158	26.0	1.2	2963	72.1	1.2	82	1.9	0.4		1355	30.3	1.3	2732	66.9	1.2	116	2.8	0.4	
Watching television and computer use										< 0.0001										< 0.0001
< 2 h/d	1019	11.1	0.7	5911	83.0	1.0	455	5.9	0.6		1239	14.1	0.8	5526	78.2	1.0	620	7.8	0.6	
≥ 2 to < 4 h/d	765	8.6	0.5	6261	85.7	0.6	480	5.7	0.4		976	11.3	0.6	5851	80.8	0.7	679	7.9	0.5	
≥ 4 to < 6 h/d	515	12.4	0.8	3389	82.1	0.8	237	5.5	0.6		664	15.7	0.8	3156	76.9	0.9	321	7.4	0.6	
≥ 6 h/d	681	17.4	0.9	3051	78.9	0.9	185	3.7	0.4		829	21.1	1.0	2819	73.4	0.9	269	5.5	0.5	

Supplemental Table 2. Continued

	Based on EI:BMR <sup>†</sup>									Based on EI:EER <sup>‡</sup>									<i>P</i> §	
	Under-reporters			Plausible reporters			Over-reporters			Under-reporters			Plausible reporters			Over-reporters				
	<i>n</i>	%	SE	<i>n</i>	%	SE	<i>n</i>	%	SE	<i>n</i>	%	SE	<i>n</i>	%	SE	<i>n</i>	%	SE		
Survey cycle																			< 0.0001	< 0.0001
1999-2000	517	11.5	0.8	2508	81.4	1.8	189	7.1	1.3	612	14.5	1.1	2340	76.2	2.1	262	9.3	1.5		
2001-2002	476	10.9	0.7	3088	83.6	1.0	256	5.5	0.6	587	13.6	0.8	2882	78.7	1.0	351	7.7	0.5		
2003-2004	430	9.6	0.9	2824	82.9	1.3	269	7.5	0.8	535	12.0	1.0	2640	78.7	1.2	348	9.3	0.8		
2005-2006	492	10.3	0.9	3047	84.6	1.0	211	5.1	0.6	604	13.3	0.7	2849	79.5	0.9	297	7.2	0.7		
2007-2008	386	14.7	1.3	2299	80.6	1.4	147	4.7	0.7	473	17.6	1.5	2145	75.6	1.6	214	6.8	0.9		
2009-2010	330	12.1	0.7	2489	84.2	0.6	138	3.7	0.4	453	16.0	0.7	2298	78.3	0.7	206	5.7	0.7		
2011-2012	349	12.2	0.9	2357	83.6	1.0	147	4.3	0.5	444	16.0	1.2	2198	78.3	1.3	211	5.6	0.5		

BMR, basal metabolic rate; EER, estimated energy requirement; EI, energy intake; NHANES, National Health and Nutrition Examination Survey.

\* All % values are weighted to reflect the survey design characteristics. Analyses are based on subjects with complete data on the first 24-h dietary recall as well as complete information on the variables of interest. EI values obtained from the first 24-h dietary recall were used.

<sup>†</sup> Under-reporters were defined as subjects with EI:BMR < 0.87; **plausible** reporters as subjects with EI:BMR 0.87-2.75; over-reporters as subjects with EI:BMR > 2.75. BMR was estimated using Schofield's sex- and age-specific equations based on body height and weight.<sup>(34)</sup>

<sup>‡</sup> Under-reporters were defined as subjects with EI:EER < 0.61; **plausible** reporters as subjects with EI:EER 0.61-1.64; over-reporters as subjects with EI:EER > 1.64. EER was calculated using sex-, age-, and weight status-specific equations published from the US Dietary Reference Intakes based on sex, age and body height and weight assuming 'low active' level of physical activity for all subjects.<sup>(35)</sup>

§ Based on chi-square test.

|| Defined based on the percentile of body mass index-for-age:<sup>(31)</sup> < 5th percentile for underweight, ≥ 5th to < 85th percentile for normal, ≥ 85th to < 95th percentile for overweight, and ≥ 95th percentile for obese subjects.

Supplemental Table 3. Risk of being an under-reporter of EI compared to being a plausible reporter of EI based on data from the first 24-h dietary recall: NHANES 1999-2012\*

(Odds ratios and 99% confidence intervals)

	Based on EI:BMR ( <i>n</i> 21592) <sup>†</sup>					Based on EI:EER ( <i>n</i> 21060) <sup>‡</sup>				
	Under-reporters/ plausible reporters ( <i>n</i> )	Crude model <sup>§</sup>		Multivariate model <sup>  </sup>		Under-reporters/ plausible reporters ( <i>n</i> )	Crude model <sup>§</sup>		Multivariate model <sup>  </sup>	
		OR	99% CI	OR	99% CI		OR	99% CI	OR	99% CI
<b>Sex</b>										
Boys	1458/9483	1	(reference)	1	(reference)	1804/8873	1	(reference)	1	(reference)
Girls	1522/9129	1.20	1.01, 1.44	1.25	1.03, 1.51	1904/8479	1.22	1.05, 1.41	1.26	1.08, 1.47
<b>Age group</b>										
2-5 y	151/4376	1	(reference)	1	(reference)	280/4084	1	(reference)	1	(reference)
6-11 y	468/6012	2.16	1.49, 3.15	1.94	1.34, 2.79	659/5655	1.47	1.12, 1.93	1.35	1.03, 1.77
12-19 y	2361/8224	10.06	7.00, 14.46	9.85	6.88, 14.10	2769/7613	5.90	4.49, 7.75	5.83	4.35, 7.82
<b>Race/ethnicity</b>										
Non-Hispanic white	671/5535	1	(reference)	1	(reference)	865/5193	1	(reference)	1	(reference)
Non-Hispanic black	1013/5141	1.54	1.30, 1.82	1.38	1.14, 1.68	1249/4749	1.52	1.29, 1.79	1.38	1.14, 1.66
Mexican American	912/5388	1.23	0.997, 1.51	1.10	0.88, 1.37	1122/5035	1.24	1.03, 1.49	1.12	0.92, 1.35
Others	384/2548	1.27	0.98, 1.65	1.25	0.95, 1.64	472/2375	1.22	0.97, 1.54	1.18	0.93, 1.51
<b>Family poverty income ratio</b>										
< 130%	1424/8127	1	(reference)	1	(reference)	1749/7545	1	(reference)	1	(reference)
130%-349%	1070/6559	0.92	0.76, 1.11	1.00	0.81, 1.24	1343/6112	0.93	0.78, 1.11	1.01	0.84, 1.23
≥ 350%	486/3926	0.72	0.58, 0.91	0.81	0.63, 1.03	616/3695	0.74	0.60, 0.90	0.81	0.65, 1.01
<b>Weight status<sup>¶</sup></b>										
Underweight	37/657	0.52	0.28, 0.97	0.47	0.25, 0.88	51/601	0.61	0.37, 1.01	0.57	0.34, 0.94
Normal	1200/12196	1	(reference)	1	(reference)	1621/11365	1	(reference)	1	(reference)
Overweight	585/2796	2.01	1.58, 2.55	1.95	1.53, 2.50	681/2654	1.72	1.40, 2.12	1.68	1.36, 2.07
Obese	1158/2963	3.98	3.26, 4.86	3.86	3.11, 4.79	1355/2732	3.42	2.86, 4.08	3.31	2.73, 4.01
<b>Watching television and computer use</b>										
< 2 h/d	1019/5911	1	(reference)	1	(reference)	1239/5526	1	(reference)	1	(reference)
≥ 2 to < 4 h/d	765/6261	0.75	0.59, 0.96	0.89	0.67, 1.17	976/5851	0.78	0.62, 0.97	0.90	0.71, 1.15
≥ 4 to < 6 h/d	515/3389	1.14	0.88, 1.46	0.90	0.68, 1.19	664/3156	1.14	0.92, 1.40	0.93	0.74, 1.17
≥ 6 h/d	681/3051	1.65	1.28, 2.14	0.83	0.61, 1.14	829/2819	1.60	1.26, 2.02	0.85	0.64, 1.14
<b>Survey cycle</b>										
1999-2000	517/2508	1.22	0.86, 1.73	1.24	0.90, 1.71	612/2340	1.25	0.87, 1.78	1.28	0.92, 1.78
2001-2002	476/3088	1.12	0.81, 1.55	1.10	0.81, 1.50	587/2882	1.13	0.83, 1.54	1.13	0.83, 1.53
2003-2004	430/2824	1	(reference)	1	(reference)	535/2640	1	(reference)	1	(reference)
2005-2006	492/3047	1.05	0.73, 1.52	1.04	0.72, 1.49	604/2849	1.09	0.81, 1.47	1.09	0.81, 1.48
2007-2008	386/2299	1.57	1.07, 2.31	1.77	1.17, 2.67	473/2145	1.53	1.06, 2.21	1.70	1.15, 2.52
2009-2010	330/2489	1.24	0.91, 1.70	1.37	1.02, 1.82	453/2298	1.34	1.01, 1.78	1.48	1.11, 1.97
2011-2012	349/2357	1.26	0.89, 1.77	1.26	0.89, 1.78	444/2198	1.34	0.95, 1.89	1.37	0.97, 1.94

BMR, basal metabolic rate; CI, confidence interval; EER, estimated energy requirement; EI, energy intake; NHANES, National Health and Nutrition Examination Survey; OR, odds ratio.

\* Analyses are based on subjects with complete data on the first 24-h dietary recall as well as complete information on the variables of interest. EI values obtained from the first 24-h dietary recall were used.

<sup>†</sup> Under-reporters were defined as subjects with EI:BMR < 0.87; plausible reporters as subjects with EI:BMR 0.87-2.75. Over-reporters (subjects with EI:BMR > 2.75; *n* 1357) were excluded from the analysis. BMR was estimated using Schofield's sex- and age-specific equations based on body height and weight.<sup>(34)</sup>

<sup>‡</sup> Under-reporters were defined as subjects with EI:EER < 0.61; plausible reporters as subjects with EI:EER 0.61-1.64. Over-reporters (subjects with EI:EER > 1.64; *n* 1889) were excluded from the analysis. EER was calculated using sex-, age-, and weight status-specific equations published from the US Dietary Reference Intakes based on sex, age and body height and weight assuming 'low active' level of physical activity for all subjects.<sup>(35)</sup>

<sup>§</sup> Each of the variables listed was entered into the model separately.

<sup>||</sup> All the variables listed were entered into the model simultaneously.

<sup>¶</sup> Defined based on the percentile of body mass index-for-age:<sup>(31)</sup> < 5th percentile for underweight, ≥ 5th to < 85th percentile for normal, ≥ 85th to < 95th percentile for overweight, and ≥ 95th percentile for obese subjects.

Supplemental Table 4. Risk of being an over-reporter of EI compared to being a plausible reporter of EI based on data from the first 24-h dietary recall: NHANES 1999-2012\*

(Odds ratios and 99% confidence intervals)

	Based on EI:BMR ( <i>n</i> 19969)†					Based on EI:EER ( <i>n</i> 19241)‡				
	Over-reporters/ plausible reporters ( <i>n</i> )	Crude model§		Multivariate model		Over-reporters/ plausible reporters ( <i>n</i> )	Crude model§		Multivariate model	
		OR	99% CI	OR	99% CI		OR	99% CI	OR	99% CI
<b>Sex</b>										
Boys	736/9483	1	(reference)	1	(reference)	1000/8873	1	(reference)	1	(reference)
Girls	621/9129	0.73	0.54, 0.97	0.71	0.53, 0.95	889/8479	0.83	0.64, 1.06	0.81	0.63, 1.05
<b>Age group</b>										
2-5 y	528/4376	1	(reference)	1	(reference)	691/4084	1	(reference)	1	(reference)
6-11 y	408/6012	0.64	0.50, 0.84	0.69	0.53, 0.90	574/5655	0.64	0.51, 0.80	0.69	0.55, 0.86
12-19 y	421/8224	0.52	0.40, 0.67	0.55	0.42, 0.73	624/7613	0.57	0.46, 0.70	0.60	0.49, 0.75
<b>Race/ethnicity</b>										
Non-Hispanic white	382/5535	1	(reference)	1	(reference)	530/5193	1	(reference)	1	(reference)
Non-Hispanic black	408/5141	1.21	0.90, 1.64	1.05	0.76, 1.46	564/4749	1.30	0.996, 1.69	1.15	0.86, 1.52
Mexican American	398/5388	1.30	0.95, 1.77	1.14	0.81, 1.60	541/5035	1.27	0.96, 1.69	1.15	0.86, 1.54
Others	169/2548	1.15	0.79, 1.67	1.06	0.71, 1.57	254/2375	1.24	0.93, 1.66	1.15	0.85, 1.55
<b>Family poverty income ratio</b>										
< 130%	719/8127	1	(reference)	1	(reference)	976/7545	1	(reference)	1	(reference)
130%-349%	428/6559	0.62	0.44, 0.87	0.62	0.43, 0.90	602/6112	0.65	0.49, 0.87	0.66	0.49, 0.89
≥ 350%	210/3926	0.52	0.37, 0.72	0.52	0.36, 0.76	311/3695	0.57	0.42, 0.77	0.58	0.42, 0.81
<b>Weight status¶</b>										
Underweight	64/657	0.86	0.52, 1.42	0.86	0.51, 1.45	106/601	1.13	0.76, 1.70	1.15	0.76, 1.75
Normal	1065/12196	1	(reference)	1	(reference)	1475/11365	1	(reference)	1	(reference)
Overweight	146/2796	0.69	0.51, 0.93	0.68	0.50, 0.93	192/2654	0.61	0.46, 0.82	0.61	0.45, 0.82
Obese	82/2963	0.35	0.22, 0.58	0.34	0.21, 0.55	116/2732	0.39	0.27, 0.57	0.37	0.26, 0.54
<b>Watching television and computer use</b>										
< 2 h/d	455/5911	1	(reference)	1	(reference)	620/5526	1	(reference)	1	(reference)
≥ 2 to < 4 h/d	480/6261	0.93	0.67, 1.28	0.94	0.68, 1.29	679/5851	0.99	0.75, 1.30	1.02	0.77, 1.34
≥ 4 to < 6 h/d	237/3389	0.94	0.65, 1.36	1.00	0.69, 1.43	321/3156	0.97	0.73, 1.29	1.04	0.79, 1.38
≥ 6 h/d	185/3051	0.66	0.47, 0.93	0.88	0.63, 1.23	269/2819	0.76	0.56, 1.02	0.96	0.72, 1.28
<b>Survey cycle</b>										
1999-2000	189/2508	0.96	0.53, 1.77	0.91	0.51, 1.60	262/2340	1.03	0.61, 1.75	0.99	0.60, 1.64
2001-2002	256/3088	0.73	0.47, 1.12	0.73	0.47, 1.12	351/2882	0.82	0.61, 1.10	0.83	0.62, 1.11
2003-2004	269/2824	1	(reference)	1	(reference)	348/2640	1	(reference)	1	(reference)
2005-2006	211/3047	0.67	0.44, 1.03	0.68	0.45, 1.02	297/2849	0.77	0.54, 1.09	0.78	0.56, 1.08
2007-2008	147/2299	0.64	0.39, 1.07	0.63	0.38, 1.06	214/2145	0.76	0.50, 1.15	0.74	0.48, 1.15
2009-2010	138/2489	0.48	0.31, 0.74	0.47	0.31, 0.73	206/2298	0.61	0.41, 0.91	0.60	0.41, 0.87
2011-2012	147/2357	0.56	0.36, 0.89	0.53	0.34, 0.82	211/2198	0.61	0.43, 0.86	0.58	0.42, 0.80

BMR, basal metabolic rate; CI, confidence interval; EER, estimated energy requirement; EI, energy intake; NHANES, National Health and Nutrition Examination Survey; OR, odds ratio.

\* Analyses are based on subjects with complete data on the first 24-h dietary recall as well as complete information on the variables of interest. EI values obtained from the first 24-h dietary recall were used.

† Over-reporters were defined as subjects with EI:BMR > 2.75; plausible reporters as subjects with EI:BMR 0.87-2.75. Under-reporters (subjects with EI:BMR < 0.87; *n* 2980) were excluded from the analysis. BMR was estimated using Schofield's sex- and age-specific equations based on body height and weight.<sup>(34)</sup>

‡ Over-reporters were defined as subjects with EI:EER > 1.64; plausible reporters as subjects with EI:EER 0.61-1.64. Under-reporters (subjects with EI:EER < 0.61; *n* 3708) were excluded from the analysis. EER was calculated using sex-, age-, and weight status-specific equations published from the US Dietary Reference Intakes based on sex, age and body height and weight assuming 'low active' level of physical activity for all subjects.<sup>(35)</sup>

§ Each of the variables listed was entered into the model separately.

|| All the variables listed were entered into the model simultaneously.

¶ Defined based on the percentile of body mass index-for-age:<sup>(31)</sup> < 5th percentile for underweight, ≥ 5th to < 85th percentile for normal, ≥ 85th to < 95th percentile for overweight, and ≥ 95th percentile for obese subjects.