

SUPPLEMENTARY TABLES

**Table S1: Correlation coefficients between socioeconomic status, ethnicity, and the various fitness tests.**

	SES	Ethnicity	SaR	SJ	SU	SR <sup>a</sup>	BT
SES	1.00						
Ethnicity	+0.68*	1.00					
SaR	+0.01	+0.07*	1.00				
SJ	+0.35*	+0.40*	+0.22*	1.00			
SU	+0.24*	+0.28*	+0.09*	+0.39*	1.00		
SR <sup>a</sup>	+0.24*	+0.32*	+0.16*	+0.43*	+0.27*	1.00	
BT	-0.01	+0.06	+0.09*	+0.29*	+0.19*	-0.23*	1.00

SaR = sit-and-reach, SJ = standing long jump, SU = sit-up, SR = shuttle run, BT = cricket ball throw, SES = Socioeconomic status, significant differences ( $p < 0.05$  with a Bonferroni correction) indicated with a \*

<sup>a</sup> Sign reversed as a higher score in shuttle run indicates poorer performance

**Table S2: P-values for each fitness test, for interactions between nutritional status, and socioeconomic status or ethnicity.**

	<b>Sit-and-reach</b>	<b>Standing jump</b>	<b>Sit-ups</b>	<b>Shuttle run</b>	<b>Ball throw</b>
<b>Overweight/obese x SES</b>	0.41	<0.001*	0.07	0.07	0.20
<b>Stunted x SES</b>	0.43	0.88	0.64	0.46	0.60
<b>Wasted x SES</b>	0.22	0.005	0.07	0.36	0.39
<b>Stunted and wasted x SES</b>	0.65	0.40	0.81	0.46	0.66
<b>Underweight<sup>a</sup> x SES</b>	0.05	0.03	0.03	0.06	0.08
<b>Overweight/obese x Ethnicity</b>	0.01	<0.001*	0.56	0.04	0.02
<b>Stunted x Ethnicity</b>	0.21	0.40	0.02	0.31	0.76
<b>Wasted x Ethnicity</b>	<0.001*	<0.001*	0.01	0.91	0.15
<b>Stunted and wasted x Ethnicity</b>	0.70	0.72	0.46	0.34	0.77
<b>Underweight<sup>a</sup> x Ethnicity</b>	<0.001*	<0.001*	0.20	0.41	0.19

SES = Socioeconomic status, significant differences ( $p < 0.05$  with a Bonferroni correction ie. 50 tests therefore  $p < 0.001$ )

indicated with a \*

<sup>a</sup> Restricted to 6-9 year olds

**Table S3: R<sup>2</sup> values for various regression models for each fitness test and nutritional status group.**

	<b>Sit-and-reach</b>	<b>Standing jump</b>	<b>Sit-ups</b>	<b>Shuttle run</b>	<b>Ball throw</b>
<b>Minimally adjusted<sup>a</sup></b>					
<b>Overweight/obese</b>	0.04	0.40	0.28	0.20	0.58
<b>Stunted</b>	0.04	0.42	0.29	0.22	0.58
<b>Wasted</b>	0.04	0.40	0.28	0.20	0.58
<b>Stunted and wasted</b>	0.04	0.41	0.28	0.20	0.58
<b>Underweight<sup>b</sup></b>	0.04	0.27	0.23	0.14	0.42
<b>Fully adjusted<sup>c</sup></b>					
<b>Overweight/obese</b>	0.06	0.52	0.36	0.31	0.58
<b>Stunted</b>	0.06	0.54	0.37	0.33	0.58
<b>Wasted</b>	0.06	0.53	0.37	0.33	0.59
<b>Stunted and wasted</b>	0.06	0.53	0.37	0.32	0.59
<b>Underweight<sup>b</sup></b>	0.05	0.42	0.34	0.25	0.44
<b>Model using z-scores<sup>d</sup></b>					
<b>Overweight/obese</b>	0.02	0.21	0.12	0.15	0.01
<b>Stunted</b>	0.03	0.24	0.12	0.16	0.03
<b>Wasted</b>	0.03	0.21	0.11	0.15	0.02
<b>Stunted and wasted</b>	0.03	0.21	0.11	0.15	0.01
<b>Underweight<sup>b</sup></b>	0.02	0.23	0.16	0.14	0.04

<sup>a</sup> Model using actual fitness test scores adjusted for age, gender, and school cluster

<sup>c</sup> Restricted to 6-9 year olds

<sup>b</sup> Model using actual fitness test scores adjusted for age, gender, school cluster, socioeconomic status and ethnicity

<sup>d</sup> Model using z-score fitness test scores (which adjust for age and gender), adjusting for school cluster, socioeconomic status and ethnicity