

Reliability of Self-Reported Height and Weight in Children: A School-Based Cross-Sectional Study and a Review

Supplementary Table S1. Questionnaire.

Child questionnaire
Outside of school, how many days per week do you do sports or a physical activity to the point of sweating or being out of breath ? a) Never b) A few times per month c) 1–2 days per week d) 3–4 days per week e) 5–6 days per week f) Every day
During the week, how much time do you spend in front of a TV screen on average ? a) Never b) Less than 15 minutes per day c) 15–30 minutes per day d) 30–60 minutes per day e) 1–2 hours per day f) More than 2 hours per day
Parent questionnaire
What is the highest level of education that you have attained a) Obligatory school b) Apprenticeship c) High school baccalaureate d) University, college e) Other
Nationality a) Swiss b) Other
Anthropometric measures
<u>Before taking the measures, ask the child his weight : (kg) and height (cm).</u>
Measures : Child in light clothes or underwear, without shoes : Weight (kg) : Height (cm) :

Supplementary Table S2. Overview of the studies identified and their key results.

Study ID	Pearson's <i>r</i> Correlation			Mean Difference			Prevalence Difference (%)		
	Weight	Height	BMI	Weight (kg)	Height (cm)	BMI (kg/m ²)	Overweight	Obese	Overweight and obese
Aasvee 2015	0.95	0.95	0.89	−1.4	−0.5	−4.0			−3.6
Abalkhail 2002	0.90	0.72		−2.7	4.0				
Abraham 2004				−1.2	−0.9	−0.1			
Ambrosi–Randic 2007	0.98	0.97	0.95	−0.7	0.2				
Andersen 2005			0.91	−0.7	0.0	−0.4			
Bae 2010				−1.5	0.2	−0.6		−4.7	
Baile 2014	0.95	0.95	0.93	−0.8	0.1	−0.3	−2.2	−1.1	−3.3
Beck 2012	0.89	0.65	0.79	−3.4	−0.1	−1.9			
Beghin 2013				−0.8	0.7				
Berg 2001				−0.4	0.3	−0.2			
Brault 2015	0.98	0.92	0.90	−1.0	−0.8	−0.2	−1.5	−0.1	−1.6
Brener 2003	0.93	0.90	0.89	−3.5	2.7	−2.6			−11.1
Brettschneider 2015				−0.7	0.3	−0.3	−1.3	−1.3	−2.6
Brooks–Gunn 1987	0.98	0.75		−1.2	1.4				
Buttenheim 2013						−1.2	1.0	−9.0	−8.0
Chan 2013				−0.6	−0.2	−0.2			
Charalampos 2009	0.94	0.86	0.89	−0.7	1.3	−0.6	−3.3	−1.0	
Chau 2013	0.98	0.96	0.93	−0.9	−0.4	−0.3	−2.1	−1.3	
Clarke 2014				−0.6					
Dalton 2014									4.6
Davis 1994	0.94	0.86	0.86						
De Vriendt 2009				−0.7	−0.1	−0.2	−2.0	−0.8	
Domingues 2011			0.84				−3.7	−1.9	
Drake 2013								−6.2	−4.9
Ekström 2015				−1.1	0.5	−0.5	0.0	0.0	
Elgar 2005	0.95	0.82	0.88	−0.5	0.4	−0.3	−4.8	−1.6	
Enes 2009				−1.0	−2.5	0.1			
Farre Rovira 2002						−0.9			
Fonseca 2010	0.96	0.89	0.85	−1.0	0.7	−0.6	−0.5	−1.1	
Fortenberry 1992				−1.4	0.5				−0.3
Frayon 2017				−3.3	−2.9	−0.4			

Study ID	Pearson's <i>r</i> Correlation			Mean Difference			Prevalence Difference (%)		
	Weight	Height	BMI	Weight (kg)	Height (cm)	BMI (kg/m ²)	Overweight	Obese	Overweight and obese
Ghosh–Dastidar 2016				−1.9	−0.9	−0.5	−2.1	−2.1	−4.2
Giacchi 1998	0.94	0.95		−1.8	1.4	−1.0	−7.5		
Goodman 2000	0.95	0.94	0.92	−0.6		−0.1		−1.6	
Hauck 1995	0.93	0.73	0.84	−1.8	1.0				−6.0
Himes 1992	0.94	0.83	0.86	−2.7	0.5	−1.1			
Himes 2001				−0.9	−1.1	0.0			
Himes 2005	0.95	0.85	0.87	−2.7	1.8	−2.3			
Jansen 2006	0.85	0.80	0.75	−6.1	−1.5	−1.5			
Jayawardene 2014				−1.0	1.1	−0.7	−0.2	−4.1	−4.3
Kee 2017				−1.6	−1.2	−0.4	0.3	−1.0	
Kurth 2010				−0.7	0.4	−0.4			
Lee 2006	0.83	0.52	0.61	−4.1	−4.1	0.7			
Lee 2013	0.97	0.96	0.93	−0.4	0.8				−4.5
Legleye 2014			0.87	−1.6	1.3	−0.9	−6.7	−1.7	
Linhart 2010				−0.1		−0.1	0.1	−2.3	
Morrissey 2006	0.96	0.91	0.92	−1.5	−0.2	−0.4			−2.7
Ohlmer 2012				−0.5	−1.0				
Perez 2015	0.94	0.82	0.88	−0.7	−0.6	−0.4			
Rasmussen 2007	0.95	0.95	0.93	−0.8	0.1	−0.3	−2.2	−1.1	−3.3
Rasmussen 2013				−1.3	0.2				−5.7
Robinson 2014	0.88	0.32		−3.1	1.9				−1.1
Rodrigues 2013				−0.4	0.0	−0.1			
Seghers 2010							−2.2	−1.4	
Stefan 2019	0.97	0.96	0.95	−0.8	0.8	−0.5			
Strauss 1999	0.93	0.89	0.87	−0.4	−1.0				
Tienboon 1992	0.87	0.77	0.67	−0.8	0.4	−0.4			
Tokmakidis 2007	0.96	0.91	0.90	−2.1	1.4	−1.2	−5.7	−5.2	
Tsigilis 2006	0.95	0.97	0.92	−2.1	0.5	−0.9			
Wang 2002				−2.0	1.1		−13.2	−2.1	−7.0
Yoshitake 2012	0.98	0.95	0.94	−0.2	−0.4	0.0			
Zhou 2010	0.91	0.94	0.81	−2.3	−1.4	1.2			−5.1
Current study	0.96	0.92	0.88	−1.4	−0.9	−0.4			−1.9