

LONDON  
SCHOOL of  
HYGIENE  
& TROPICAL  
MEDICINE



Victora, CG; Adair, L; Fall, C; Hallal, PC; Martorell, R; Richter, L; Sachdev, HS; Maternal and Child Undernutrition Study Group (inc Kirkwood, B., (2008) Maternal and child undernutrition: consequences for adult health and human capital. *Lancet*, 371 (9609). pp. 340-57. ISSN 0140-6736 DOI: [https://doi.org/10.1016/S0140-6736\(07\)61692-4](https://doi.org/10.1016/S0140-6736(07)61692-4)

Downloaded from: <http://researchonline.lshtm.ac.uk/7130/>

DOI: [10.1016/S0140-6736\(07\)61692-4](https://doi.org/10.1016/S0140-6736(07)61692-4)

#### Usage Guidelines

Please refer to usage guidelines at <http://researchonline.lshtm.ac.uk/policies.html> or alternatively contact [researchonline@lshtm.ac.uk](mailto:researchonline@lshtm.ac.uk).

Available under license: <http://creativecommons.org/licenses/by-nc-nd/2.5/>

Webtable 3a. Annual income (log US\$) for males in Brazil and Guatemala, and number of assets in India, according to indicators of maternal and child undernutrition: regression analyses. No information available for Philippines and South Africa, where most study subjects are not yet financially independent.

Exposure	Brazil (Pelotas)		Guatemala (4 villages)		India (New Delhi) <sup>c</sup>	
	Coef(95% CI)	P	Coef(95% CI)	P	Coef(95% CI)	P
Maternal height (cm)						
Crude	0.01 (0.01; 0.02)	<0.001	0.01(-0.00;0.03)	0.10	N/A	
Adjusted	0.00 (-0.00; 0.01)	0.26	0.005(-0.01;0.02)	0.58	N/A	
Birthweight (kg)						
Crude	0.12 (0.05; 0.19)	<0.001	0.05(-0.14;0.24)	0.60	0.37 (0.14; 0.59)	0.001
Adjusted	0.08 (0.02; 0.15)	0.02	-0.01(-0.21;0.18)	0.91	0.26 (0.06; 0.47)	0.01
IUGR						
Crude	-0.17 (-0.28; -0.07)	0.001	-0.01(-0.23;0.21)	0.93	-0.15 (-0.36; 0.06)	0.16
Adjusted	-0.14 (-0.24; -0.03)	0.009	0.06(-0.16;0.29)	0.59	-0.12 (-0.31; 0.07)	0.20
WAZ 2 years <sup>b</sup>						
Crude	0.13 (0.10; 0.16)	<0.001	0.08(-0.01;0.18)	0.09	0.40 (0.31; 0.48)	<0.001
Adjusted	0.09 (0.06; 0.12)	<0.001	0.04(-0.06;0.15)	0.39	0.29 (0.20; 0.37)	<0.001
HAZ 2 years <sup>b</sup>						
Crude	0.12 (0.09; 0.15)	<0.001	0.11(0.03;0.20)	0.01	0.38 (0.30; 0.45)	<0.001
Adjusted	0.08 (0.05; 0.11)	<0.001	0.08(-0.01;0.17)	0.07	0.27 (0.20; 0.35)	<0.001
BAZ 2 years <sup>b</sup>						
Crude	0.05 (0.02; 0.09)	0.005	-0.06(-0.16;0.05)	0.31	0.15 (0.06; 0.24)	0.002
Adjusted	0.04 (0.01; 0.08)	0.02	-0.08(-0.19;0.03)	0.17	0.10 (0.02; 0.19)	0.02

(a) Adjusted for socioeconomic status at birth, maternal education, and age at follow-up. In India, paternal education was used instead of maternal education. In South Africa, pubertal status was also adjusted for.

(b) Weight for age (WAZ), height for age (HAZ) and body mass index for age (BAZ) Z-scores according to the 2006 World Health Organization Standards..

(c) Quintiles of material possession was the outcome used in India given the lack of data on income.

Webtable 3b. Annual income (log US\$) for females in Brazil and Guatemala, and number of assets in India, according to indicators of maternal and child undernutrition: regression analyses. No information available for Philippines and South Africa, where most study subjects are not yet financially independent.

Exposure	Brazil (Pelotas)		Guatemala (4 villages)		India (New Delhi) <sup>c</sup>	
	Coef(95% CI)	P	Coef(95% CI)	P	Coef(95% CI)	P
Maternal height (cm)						
Crude	0.02 (0.01; 0.02)	<0.001	0.00 (-0.03; 0.04)	0.80	N/A	
Adjusted	0.01 (-0.00; 0.01)	0.08	0.00 (-0.03; 0.03)	1.00	N/A	
Birthweight (kg)						
Crude	0.07 (-0.02; 0.16)	0.12	0.01 (-0.55; 0.57)	0.98	0.29 (-0.03; 0.61)	0.07
Adjusted	0.01 (-0.07; 0.10)	0.76	-0.03 (-0.59; 0.53)	0.90	0.16 (-0.13; 0.45)	0.29
IUGR						
Crude	-0.04 (-0.19; 0.11)	0.57	0.09 (-0.50; 0.68)	0.77	-0.08 (-0.34; 0.18)	0.53
Adjusted	0.02 (-0.12; 0.17)	0.76	0.01 (-0.57; 0.60)	0.96	0.04 (-0.20; 0.27)	0.75
WAZ 2 years <sup>b</sup>						
Crude	0.13 (0.09; 0.18)	<0.001	0.11 (-0.11; 0.33)	0.31	0.32 (0.21; 0.42)	<0.001
Adjusted	0.07 (0.03; 0.12)	0.002	0.14 (-0.09; 0.37)	0.24	0.15 (0.05; 0.26)	0.004
HAZ 2 years <sup>b</sup>						
Crude	0.13 (0.10; 0.17)	<0.001	0.22 (0.00; 0.44)	0.05	0.32 (0.22; 0.42)	<0.001
Adjusted	0.08 (0.04; 0.12)	<0.001	0.25 (0.02; 0.47)	0.03	0.18 (0.08; 0.28)	<0.001
BAZ 2 years <sup>b</sup>						
Crude	0.04 (-0.01; 0.09)	0.11	-0.15 (-0.38; 0.09)	0.23	0.14 (0.02; 0.26)	0.02
Adjusted	0.01 (-0.03; 0.06)	0.56	-0.14 (-0.38; 0.10)	0.26	0.04 (-0.08; 0.14)	0.53

(a) Adjusted for socioeconomic status at birth, maternal education, and age at follow-up. In India, paternal education was used instead of maternal education. In South Africa, pubertal status was also adjusted for.

(b) Weight for age (WAZ), height for age (HAZ) and body mass index for age (BAZ) Z-scores according to the 2006 World Health Organization Standards..

(c) Quintiles of material possession was the outcome used in India given the lack of data on income.