

Socioeconomic Gradients in Early Childhood Health: Evidence  
from Bangladesh and Nepal  
(Supplementary Figures and Tables)

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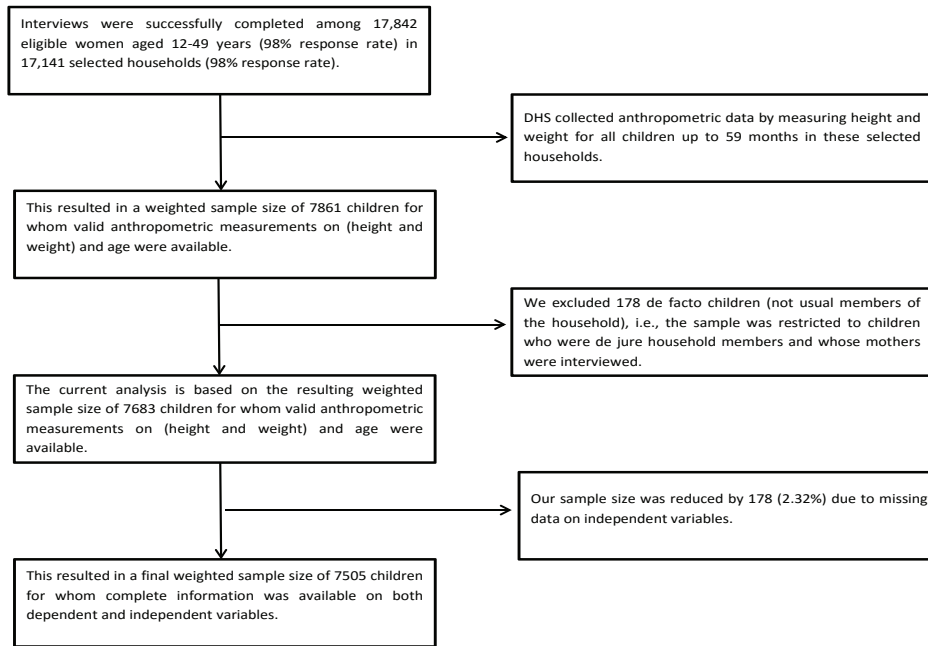
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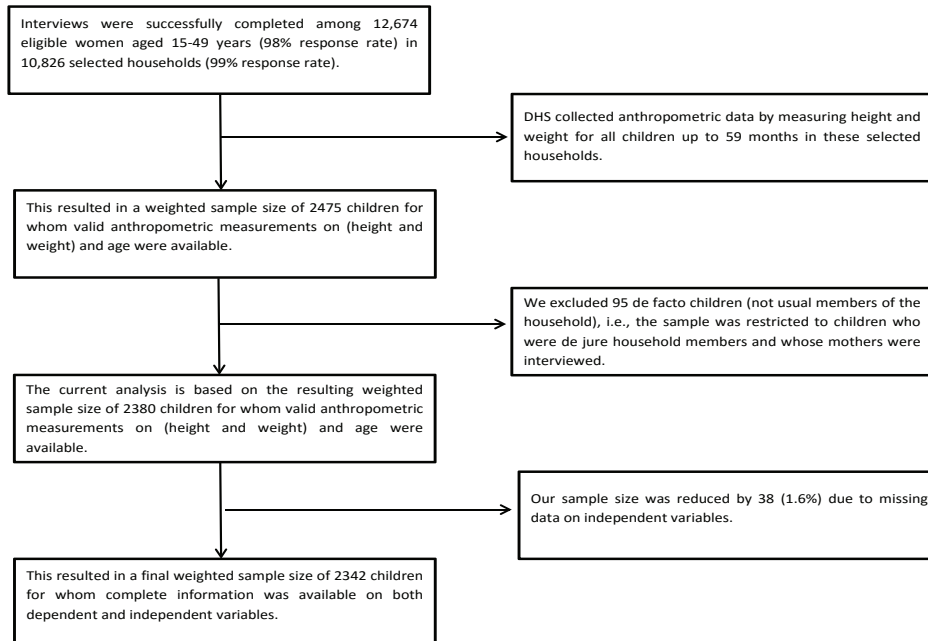
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**Figure S1: Flow Chart of Sample Selection**



(a) Bangladesh



(b) Nepal

Table S1: Sample Characteristics by Wealth and Maternal Education Categories (Bangladesh)

	Wealth Quintiles					Mother's Education		
	Poorest	Poorer	Middle	Richer	Richest	No Educ.	Primary	Secondary
	Mean (SD)					Mean (SD)		
HAZ	-2.111 (1.356)	-1.828 (1.285)	-1.678 (1.297)	-1.511 (1.364)	-1.074 (1.522)	-1.998 (1.377)	-1.864 (1.374)	-1.422 (1.387)
WAZ	-1.989 (1.045)	-1.777 (1.017)	-1.616 (1.087)	-1.432 (1.109)	-1.044 (1.324)	-1.920 (1.052)	-1.802 (1.086)	-1.348 (1.180)
Child Specific Variables								
Child's Age Group								
Age 0-11M	0.186 (0.375)	0.191 (0.384)	0.199 (0.395)	0.215 (0.416)	0.197 (0.425)	0.165 (0.360)	0.187 (0.388)	0.216 (0.418)
Age 12-35M	0.371 (0.467)	0.378 (0.474)	0.375 (0.479)	0.361 (0.487)	0.387 (0.520)	0.334 (0.457)	0.377 (0.483)	0.389 (0.494)
Age 36-59M	0.443 (0.479)	0.431 (0.484)	0.426 (0.489)	0.424 (0.501)	0.416 (0.526)	0.501 (0.485)	0.437 (0.494)	0.394 (0.496)
Male	0.496 (0.482)	0.511 (0.488)	0.523 (0.494)	0.513 (0.507)	0.512 (0.534)	0.497 (0.485)	0.524 (0.498)	0.508 (0.507)
Birth Size	0.190 (0.379)	0.186 (0.380)	0.174 (0.375)	0.152 (0.364)	0.141 (0.371)	0.183 (0.375)	0.175 (0.379)	0.162 (0.373)
Birth Order	2.958 (1.733)	2.517 (1.664)	2.276 (1.494)	2.166 (1.365)	1.877 (1.080)	3.651 (1.966)	2.529 (1.480)	1.800 (0.980)
Mother Specific Variables								
Mother's Age	26.104 (5.964)	25.235 (6.004)	25.090 (5.899)	25.166 (5.555)	25.992 (5.749)	29.080 (6.635)	25.209 (5.532)	24.284 (5.100)
Maternal Education								
No Education	0.436 (0.478)	0.238 (0.416)	0.128 (0.330)	0.090 (0.290)	0.045 (0.222)	-	-	-
Primary	0.395 (0.472)	0.389 (0.476)	0.320 (0.462)	0.257 (0.443)	0.125 (0.353)	-	-	-
Secondary	0.169 (0.362)	0.373 (0.472)	0.552 (0.492)	0.654 (0.482)	0.830 (0.401)	-	-	-
Mother's Height	149.877 (5.540)	150.881 (5.298)	150.749 (5.286)	151.172 (5.336)	152.143 (5.539)	150.046 (5.274)	150.325 (5.495)	151.594 (5.430)
Mother's BMI	19.261 (2.494)	19.915 (2.589)	20.441 (3.050)	21.588 (3.562)	23.183 (4.181)	19.917 (2.887)	20.103 (3.039)	21.498 (3.704)
Father Specific Variables								
Father's Age	34.818 (8.277)	33.799 (8.178)	33.518 (7.765)	34.062 (7.408)	34.845 (7.390)	38.490 (8.892)	33.707 (7.828)	32.793 (6.770)
Father's Education								
No Education	0.586 (0.475)	0.376 (0.473)	0.233 (0.418)	0.137 (0.348)	0.058 (0.249)	0.666 (0.458)	0.367 (0.481)	0.102 (0.307)
Primary	0.312 (0.447)	0.362 (0.469)	0.318 (0.461)	0.278 (0.454)	0.165 (0.396)	0.238 (0.413)	0.407 (0.490)	0.242 (0.434)
Secondary	0.102 (0.292)	0.261 (0.429)	0.449 (0.492)	0.585 (0.499)	0.777 (0.444)	0.096 (0.286)	0.226 (0.417)	0.656 (0.482)
Household Specific Variables								
Household Wealth Status								
Richest	-	-	-	-	-	0.040 (0.189)	0.072 (0.257)	0.295 (0.463)
Richer	-	-	-	-	-	0.084 (0.270)	0.159 (0.364)	0.251 (0.439)
Middle	-	-	-	-	-	0.124 (0.320)	0.205 (0.403)	0.219 (0.419)
Poorer	-	-	-	-	-	0.241 (0.415)	0.259 (0.437)	0.154 (0.366)
Poorest	-	-	-	-	-	0.511 (0.485)	0.305 (0.459)	0.081 (0.277)
Log (Household Size)	1.639 (0.307)	1.691 (0.349)	1.772 (0.410)	1.802 (0.436)	1.804 (0.475)	1.759 (0.345)	1.725 (0.387)	1.733 (0.423)
Rural	0.940 (0.229)	0.926 (0.256)	0.869 (0.334)	0.701 (0.464)	0.380 (0.518)	0.864 (0.333)	0.809 (0.392)	0.727 (0.452)
Religion	0.917 (0.267)	0.924 (0.258)	0.905 (0.290)	0.907 (0.295)	0.913 (0.301)	0.925 (0.255)	0.933 (0.250)	0.897 (0.308)

Table S2: Sample Characteristics by Wealth and Maternal Education Categories (Nepal)

	Wealth Quintiles					Mother's Education		
	Poorest	Poorer	Middle	Richer	Richest	No Educ.	Primary	Secondary
	Mean (SD)					Mean (SD)		
HAZ	-2.108 (1.490)	-1.882 (1.349)	-1.531 (1.272)	-1.346 (1.234)	-1.101 (1.277)	-1.941 (1.369)	-1.664 (1.293)	-1.248 (1.367)
WAZ	-1.691 (1.165)	-1.665 (1.043)	-1.441 (0.952)	-1.163 (0.981)	-0.855 (1.137)	-1.714 (1.049)	-1.399 (1.023)	-1.017 (1.076)
Child Specific Variables								
Child's Age Group								
Age 0-11M	0.171 (0.412)	0.187 (0.393)	0.229 (0.379)	0.190 (0.370)	0.207 (0.420)	0.163 (0.365)	0.194 (0.394)	0.245 (0.438)
Age 12-35M	0.410 (0.538)	0.399 (0.493)	0.392 (0.441)	0.455 (0.470)	0.353 (0.495)	0.401 (0.484)	0.420 (0.492)	0.397 (0.499)
Age 36-59M	0.418 (0.539)	0.414 (0.496)	0.379 (0.438)	0.355 (0.452)	0.440 (0.514)	0.436 (0.490)	0.386 (0.485)	0.359 (0.489)
Male	0.496 (0.547)	0.567 (0.499)	0.444 (0.448)	0.499 (0.472)	0.546 (0.516)	0.492 (0.494)	0.521 (0.498)	0.515 (0.510)
Birth Size	0.231 (0.461)	0.195 (0.399)	0.161 (0.332)	0.168 (0.353)	0.096 (0.305)	0.206 (0.400)	0.161 (0.366)	0.147 (0.362)
Birth Order	3.404 (2.450)	2.789 (1.993)	2.270 (1.382)	2.051 (1.245)	1.783 (1.044)	3.313 (2.088)	2.314 (1.509)	1.631 (0.917)
Mother Specific Variables								
Mother's Age								
	28.823 (7.703)	26.742 (6.307)	25.568 (4.935)	25.141 (4.490)	27.034 (4.579)	28.525 (6.431)	25.574 (5.592)	24.966 (4.672)
Maternal Education								
No Education	0.712 (0.495)	0.559 (0.500)	0.506 (0.451)	0.278 (0.423)	0.076 (0.275)	-	-	-
Primary	0.188 (0.427)	0.256 (0.440)	0.218 (0.373)	0.211 (0.385)	0.082 (0.284)	-	-	-
Secondary	0.101 (0.329)	0.185 (0.392)	0.276 (0.403)	0.512 (0.472)	0.842 (0.379)	-	-	-
Mother's Height	150.815 (5.954)	150.449 (5.407)	150.908 (4.470)	151.586 (4.972)	152.440 (5.564)	150.483 (5.425)	150.937 (4.892)	152.134 (5.236)
Mother's BMI	20.473 (2.595)	20.364 (2.460)	20.623 (2.536)	21.281 (2.973)	22.985 (3.608)	20.231 (2.465)	21.214 (2.961)	21.883 (3.261)
Father Specific Variables								
Father's Age								
	33.143 (10.207)	30.471 (7.680)	29.351 (5.296)	30.020 (5.383)	31.984 (5.339)	32.949 (8.062)	29.063 (6.640)	29.451 (5.553)
Father's Education								
No Education	0.365 (0.526)	0.280 (0.453)	0.230 (0.380)	0.092 (0.272)	0.006 (0.079)	0.410 (0.486)	0.080 (0.271)	0.032 (0.179)
Primary	0.340 (0.518)	0.310 (0.466)	0.264 (0.398)	0.140 (0.328)	0.083 (0.286)	0.317 (0.459)	0.330 (0.469)	0.095 (0.299)
Secondary	0.296 (0.499)	0.410 (0.496)	0.506 (0.451)	0.768 (0.398)	0.911 (0.295)	0.273 (0.440)	0.590 (0.490)	0.873 (0.339)
Household Specific Variables								
Household Wealth Status								
Richest	-	-	-	-	-	0.023 (0.147)	0.058 (0.232)	0.352 (0.487)
Richer	-	-	-	-	-	0.102 (0.299)	0.183 (0.386)	0.265 (0.450)
Middle	-	-	-	-	-	0.253 (0.429)	0.258 (0.436)	0.194 (0.403)
Poorer	-	-	-	-	-	0.240 (0.422)	0.261 (0.438)	0.112 (0.322)
Poorest	-	-	-	-	-	0.383 (0.480)	0.240 (0.425)	0.076 (0.271)
Log (Household Size)	1.769 (0.395)	1.715 (0.418)	1.741 (0.366)	1.754 (0.446)	1.637 (0.427)	1.806 (0.374)	1.671 (0.447)	1.660 (0.426)
Rural	0.980 (0.153)	0.980 (0.140)	0.961 (0.174)	0.876 (0.311)	0.647 (0.495)	0.954 (0.206)	0.926 (0.260)	0.842 (0.372)
Religion	0.864 (0.374)	0.804 (0.400)	0.803 (0.359)	0.875 (0.312)	0.855 (0.365)	0.822 (0.378)	0.831 (0.373)	0.866 (0.347)

Table S3: Age-Specific Maternal Education Gradients in Early Childhood Health (By Educational Categories)

Panel A				
Bangladesh (Dependent Variable: HAZ Scores)				
(Without Father's Education)			(With Father's Education)	
	(1)	(2)	(3)	(4)
	No Education	Primary Education	No Education	Primary Education
Age 0-11 M	-0.072 (0.121)	0.031 (0.100)	-0.035 (0.121)	0.073 (0.100)
Age 12-35 M	-0.162* (0.091)	-0.132* (0.070)	-0.117 (0.090)	-0.089 (0.069)
Age 36-59 M	-0.132* (0.069)	-0.121** (0.060)	-0.087 (0.074)	-0.081 (0.062)
N: 7508, R-Sq: 0.207; Mean VIF: 2.83			N: 7505, R-Sq: 0.209; Mean VIF: 2.83	
Panel B				
Bangladesh (Dependent Variable: WAZ Scores)				
(Without Father's Education)			(With Father's Education)	
	(1)	(2)	(3)	(4)
	No Education	Primary Education	No Education	Primary Education
Age 0-11 M	-0.288*** (0.099)	-0.130* (0.073)	-0.276*** (0.100)	-0.110 (0.073)
Age 12-35 M	-0.261*** (0.075)	-0.275*** (0.057)	-0.245*** (0.077)	-0.253*** (0.057)
Age 36-59 M	-0.073 (0.060)	-0.086* (0.050)	-0.058 (0.063)	-0.068 (0.052)
N: 7508, R-Sq: 0.203; Mean VIF: 2.21			N: 7504, R-Sq: 0.204; Mean VIF: 2.22	
Panel C				
Nepal (Dependent Variable: HAZ scores)				
(Without Father's Education)			(With Father's Education)	
	(1)	(2)	(3)	(4)
	No Education	Primary Education	No Education	Primary Education
Age 0-11 M	-0.174 (0.175)	-0.015 (0.210)	-0.151 (0.182)	-0.017 (0.212)
Age 12-35 M	-0.272** (0.135)	-0.236 (0.155)	-0.240* (0.135)	-0.237 (0.156)
Age 36-59 M	-0.142 (0.118)	-0.000 (0.133)	-0.110 (0.125)	0.002 (0.136)
N: 2352, R-Sq: 0.224; Mean VIF: 2.06			N: 2342, R-Sq: 0.221; Mean VIF: 2.11	
Panel D				
Nepal (Dependent Variable: WAZ Scores)				
(Without Father's Education)			(With Father's Education)	
	(1)	(2)	(3)	(4)
	No Education	Primary Education	No Education	Primary Education
Age 0-11 M	-0.326** (0.148)	-0.131 (0.176)	-0.320** (0.149)	-0.133 (0.176)
Age 12-35 M	-0.312*** (0.112)	-0.265** (0.130)	-0.302*** (0.113)	-0.264** (0.129)
Age 36-59 M	-0.278*** (0.104)	-0.076 (0.111)	-0.261** (0.108)	-0.076 (0.110)
N: 2349, R-Sq: 0.189; Mean VIF: 2.07			N: 2339, R-Sq: 0.187; Mean VIF: 2.12	

Note: The numbers in the parenthesis refer to the linearized standard errors that account for survey design and sample weight. \*\*\* indicates  $p < 0.01$ , \*\* indicates  $p < 0.05$  and \* indicates  $p < 0.1$ . The table reports regression coefficients of the interaction terms of dummies for each maternal educational category with child age group dummies where secondary education is the reference category. In each panel, we present results from two regression models. Columns (1) and (2) present results from a single regression model that does not control for father's education, and columns (3) and (4) present the results from the same model with father's education as an additional control variable. Each regression model control for the full set of control variables as in Table (4) of the main paper.