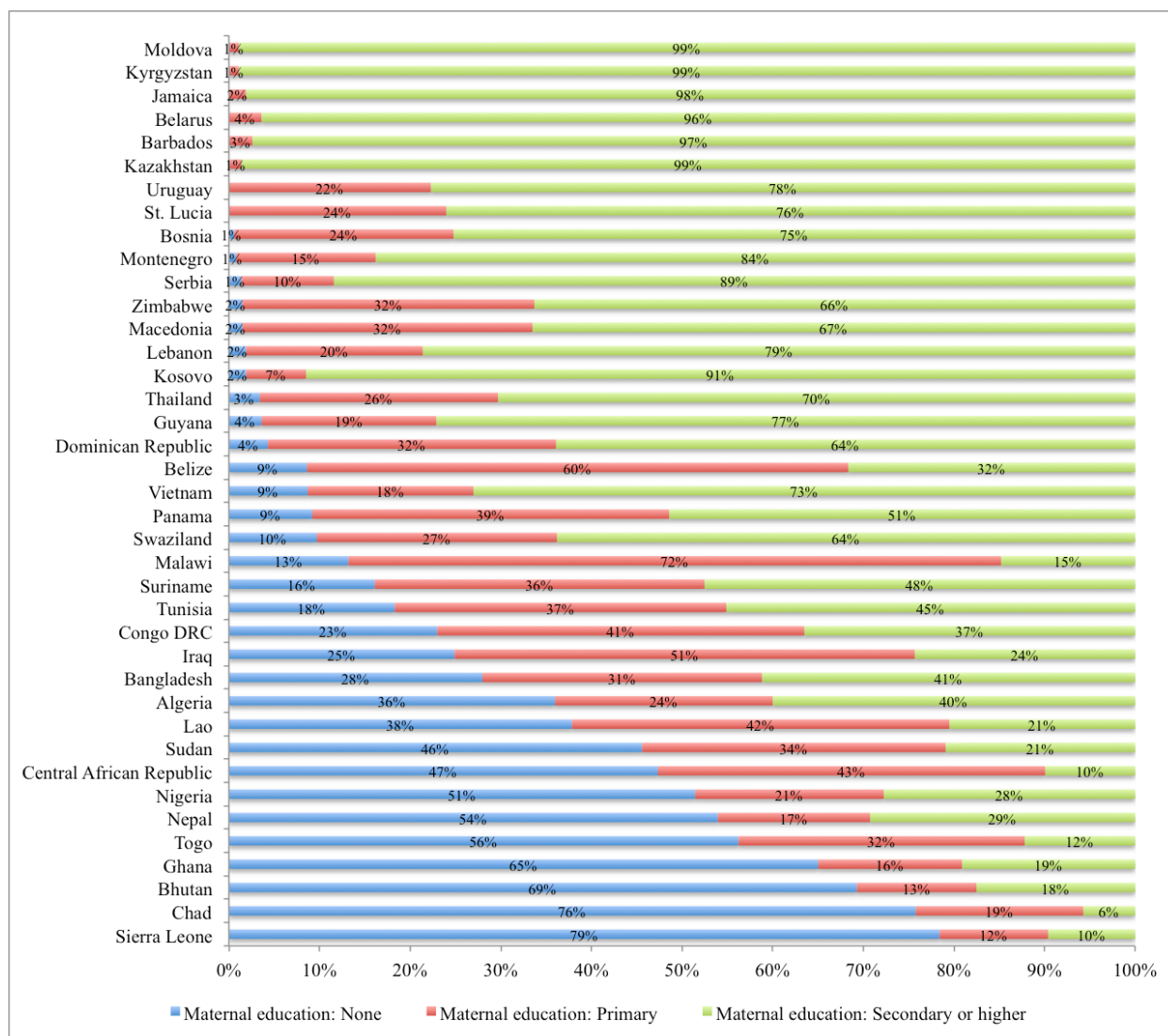
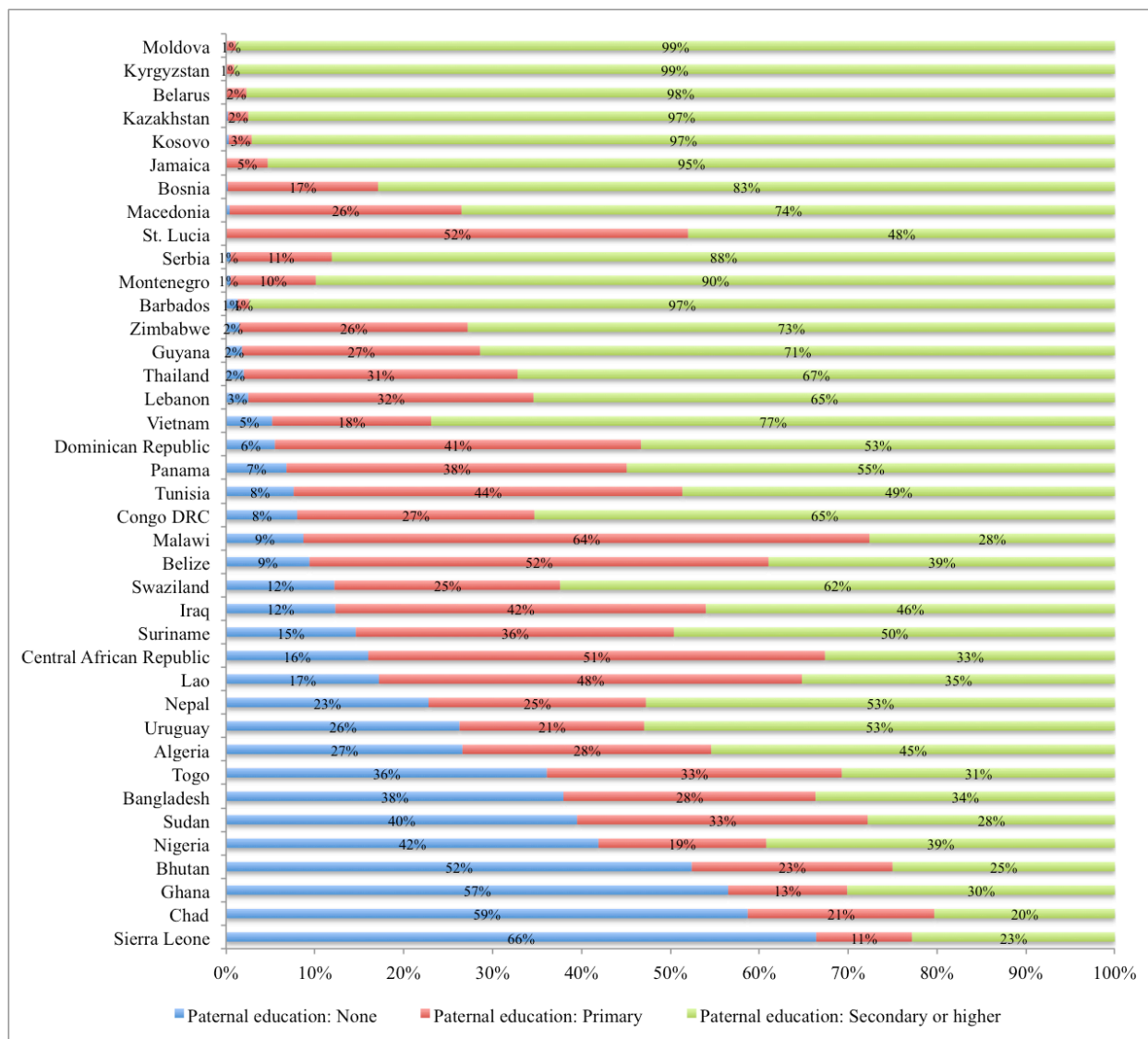


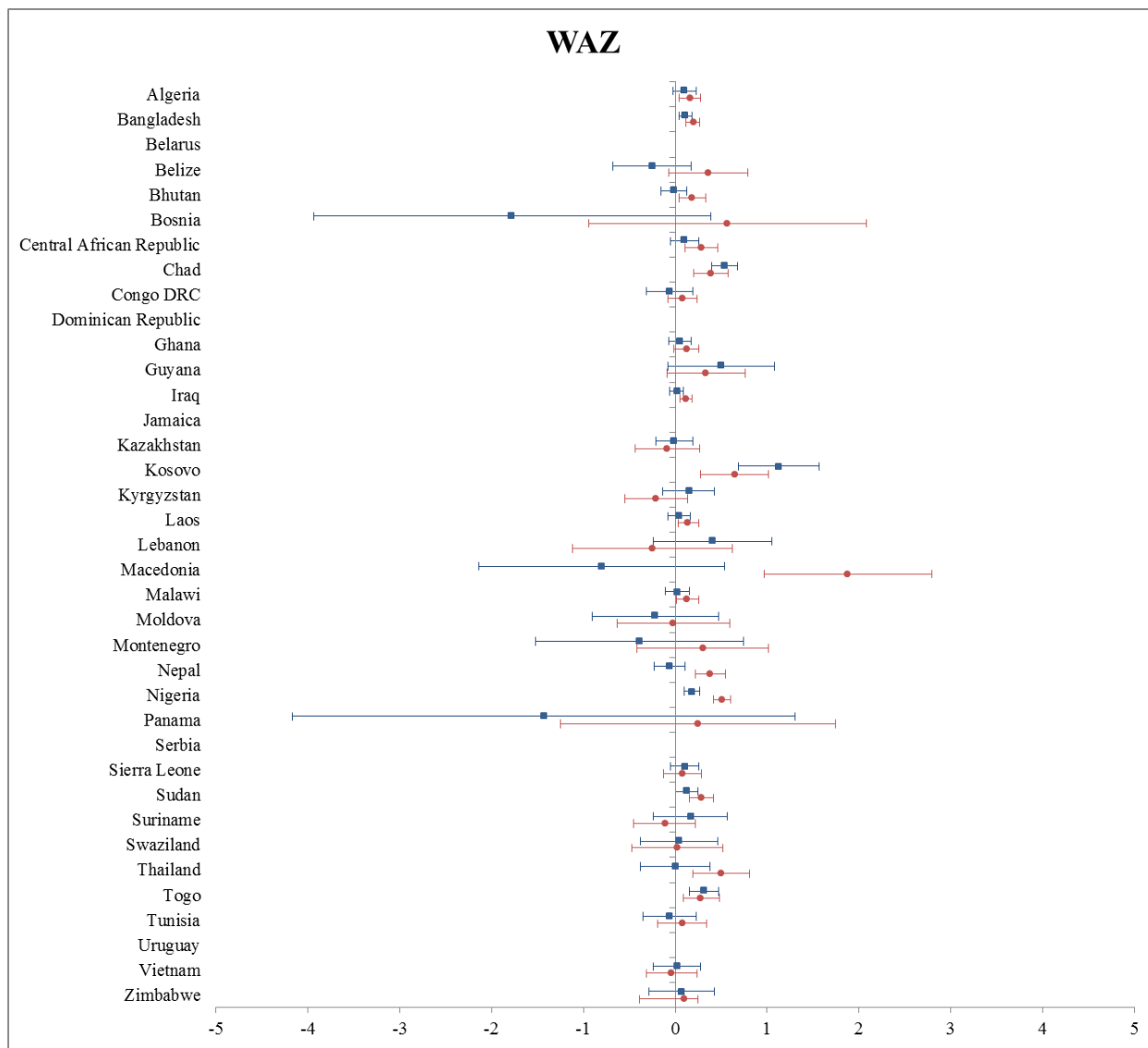
Appendix Figure S1. Analytic sample flow diagram.



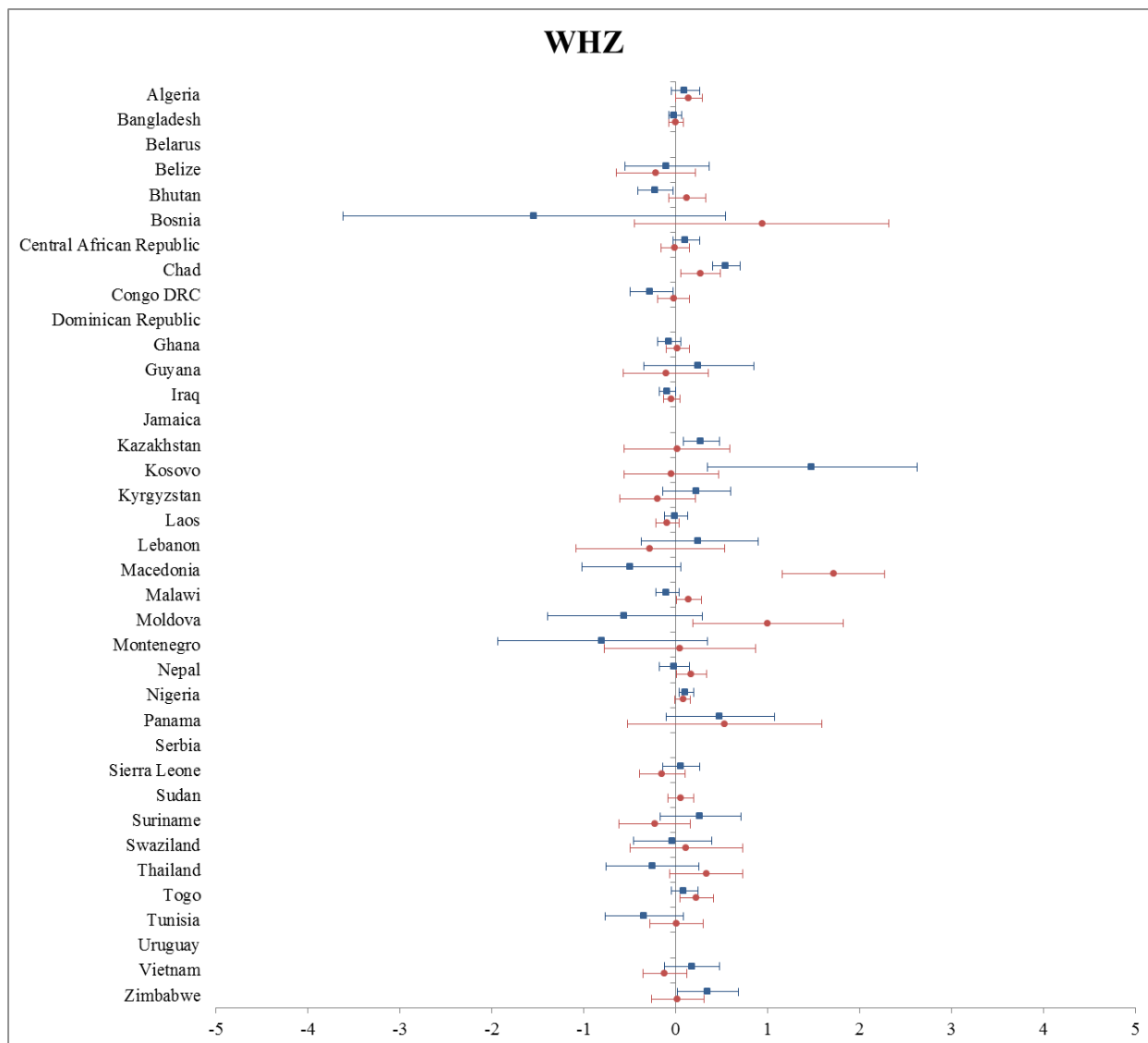
Appendix Figure S2. Distribution of maternal education by country.



Appendix Figure S3. Distribution of paternal education by country.



Appendix Figure S4. Associations between maternal and paternal education and children's WAZ based on country-specific regression models. Estimates represent differences in children's WAZ between caregivers with secondary or higher education and caregivers with incomplete primary education or no education. For each country, results (point estimate and 95% confidence interval) below (in red) correspond to maternal education and above (in blue) correspond to paternal education. WAZ, weight-for-age z-score.



Appendix Figure S5. Associations between maternal and paternal education and children's WHZ based on country-specific regression models. Estimates represent differences in children's WHZ between caregivers with secondary or higher education and caregivers with incomplete primary education or no education. For each country, results (point estimate and 95% confidence interval) below (in red) correspond to maternal education and above (in blue) correspond to paternal education. WHZ, weight-for-height z-score.

Appendix Table S1. Subgroup analyses for associations between maternal and paternal education and WAZ and WHZ by national development indicators

WAZ (n = 77,944)

	Low adult illiteracy (n = 43,690)	High adult illiteracy (n = 33,552)	Low gender inequality (n = 22,320)	High gender inequality (n = 46,911)	Low infant mortality (n = 39,724)	High infant mortality (n = 37,638)	Low food insecurity (n = 9,897)	High food insecurity (n = 41,878)
Maternal education								
Primary	0.07*** (0.04, 0.11)	0.18*** (0.15, 0.21)	0.07** (0.02, 0.12)	0.10*** (0.07, 0.13)	0.04** (0.02, 0.08)	0.17*** (0.14, 0.21)	0.03 (-0.05, 0.11)	0.17*** (0.14, 0.20)
Secondary or higher	0.17*** (0.13, 0.21)	0.36*** (0.31, 0.40)	0.21*** (0.15, 0.26)	0.20*** (0.16, 0.23)	0.16*** (0.12, 0.20)	0.34*** (0.29, 0.38)	0.14** (0.05, 0.23)	0.31*** (0.28, 0.36)
Paternal education								
Primary	0.02 (-0.02, 0.06)	0.16*** (0.12, 0.20)	-0.00 (-0.06, 0.05)	0.10*** (0.07, 0.13)	0.01 (-0.03, 0.04)	0.17*** (0.13, 0.21)	0.03 (-0.06, 0.12)	0.12*** (0.09, 0.15)
Secondary or higher	0.05* (0.01, 0.10)	0.21*** (0.17, 0.25)	0.02 (-0.04, 0.08)	0.15*** (0.12, 0.19)	0.05* (0.01, 0.09)	0.22*** (0.18, 0.26)	0.05 (-0.04, 0.15)	0.18*** (0.15, 0.22)

WHZ (n = 77,103)

	Low adult illiteracy (n = 43,245)	High adult illiteracy (n = 33,187)	Low gender inequality (n = 21,980)	High gender inequality (n = 46,461)	Low infant mortality (n = 39,234)	High infant mortality (n = 37,307)	Low food insecurity (n = 9,736)	High food insecurity (n = 41,419)
Maternal education								
Primary	-0.00 (-0.04, 0.03)	0.08*** (0.05, 0.12)	-0.01 (-0.06, 0.05)	0.04* (0.01, 0.07)	0.01 (-0.03, 0.05)	0.05** (0.02, 0.09)	0.07 (-0.03, 0.16)	0.06*** (0.03, 0.10)
Secondary or higher	0.00 (-0.04, 0.05)	0.07** (0.03, 0.12)	0.05 (-0.01, 0.11)	0.03 (-0.01, 0.07)	0.02 (-0.02, 0.06)	0.06** (0.02, 0.11)	0.12* (0.02, 0.23)	0.06** (0.02, 0.09)
Paternal education								
Primary	-0.04 (-0.09, 0.00)	0.12*** (0.08, 0.15)	-0.04 (-0.11, 0.02)	0.06*** (0.03, 0.10)	-0.03 (-0.07, 0.01)	0.11*** (0.07, 0.14)	0.03 (-0.08, 0.14)	0.07*** (0.04, 0.11)
Secondary or higher	-0.06* (-0.11, -0.01)	0.12*** (0.07, 0.16)	-0.05 (-0.12, 0.01)	0.05* (0.01, 0.09)	-0.05* (-0.09, -0.00)	0.10*** (0.06, 0.14)	0.04 (-0.08, 0.16)	0.08*** (0.04, 0.12)

*** p < 0.001, ** p < 0.01, * p < 0.05

WAZ, weight-for-age z-score. WHZ, weight-for-height z-score.

Appendix Table S2. Associations between maternal and paternal education and children's HAZ, WAZ, WHZ, and ECDI z-scores, among households in which both caregivers lived together with the child

	HAZ (n = 76,680)	WAZ (n = 77,329)	WHZ (n = 76,494)	ECDI (n = 84,202)
Maternal education				
Primary	0.17*** (0.13, 0.20)	0.13*** (0.10, 0.15)	0.03* (0.01, 0.06)	0.13*** (0.11, 0.15)
Secondary or higher	0.37*** (0.33, 0.41)	0.25*** (0.22, 0.28)	0.04* (0.01, 0.07)	0.32*** (0.29, 0.34)
Paternal education				
Primary	0.10*** (0.07, 0.14)	0.12*** (0.09, 0.14)	0.06*** (0.03, 0.09)	0.09*** (0.07, 0.11)
Secondary or higher	0.19*** (0.16, 0.23)	0.15*** (0.12, 0.18)	0.04** (0.01, 0.08)	0.16*** (0.14, 0.18)

*** p < 0.001, ** p < 0.01, * p < 0.05

ECDI, Early Childhood Development Index. HAZ, height-for-age z-score. WAZ, weight-for-age z-score. WHZ, weight-for-height z-score.

Appendix Table S3. Associations between maternal and paternal education and children's HAZ, WAZ, WHZ, and ECDI z-scores, further adjusting for PSU-level fixed effects

	HAZ (n = 77,289)	WAZ (n = 77,944)	WHZ (n = 77,103)	ECDI (n = 85,372)
Maternal education				
Primary	0.16*** (0.13, 0.19)	0.11*** (0.09, 0.14)	0.02 (-0.01, 0.05)	0.12*** (0.10, 0.14)
Secondary or higher	0.35*** (0.32, 0.39)	0.24*** (0.21, 0.27)	0.04* (0.01, 0.07)	0.31*** (0.28, 0.33)
Paternal education				
Primary	0.10*** (0.06, 0.13)	0.09*** (0.07, 0.12)	0.04* (0.01, 0.07)	0.08*** (0.06, 0.10)
Secondary or higher	0.18*** (0.14, 0.22)	0.13*** (0.10, 0.16)	0.03 (-0.00, 0.06)	0.15*** (0.13, 0.17)

*** p < 0.001, ** p < 0.01, * p < 0.05

ECDI, Early Childhood Development Index. HAZ, height-for-age z-score. WAZ, weight-for-age z-score. WHZ, weight-for-height z-score.