

SUPPLEMENTARY FILE

Table 4: Stepwise logistic regression of maternal education on infant mortality controlling for potential confounders: adjusted odds ratio (standard error) p value

Independent Variables	Batch 1(maternal education)	Batch 2 (maternal & paternal education)	Batch 3 (parents' education and occupation)	Batch 4 (parents' education, occupation, maternal and child characteristics)	Batch 5 (parents' education, occupation, maternal, child, household and community characteristics)
Maternal education	0.000	0.000	0.000	0.000	0.001
No education	reference	reference	reference	reference	reference
Primary	0.749 (0.061) 0.000	0.828 (0.066) 0.004	0.841 (0.061) 0.010	0.817 (0.069) 0.004	0.838 (0.070) 0.020
Secondary	0.455 (0.086) 0.000	0.555 (0.097) 0.000	0.632 (0.099) 0.000	0.579 (0.102) 0.000	0.676 (0.104) 0.000
Higher	0.294 (0.201) 0.000	0.369 (0.231) 0.000	0.424 (0.243) 0.000	0.359 (0.245) 0.001	0.504 (0.252) 0.007
Paternal education		0.000	0.002	0.001	0.01
No education		reference	reference	reference	reference
Primary		0.855 (0.069) 0.022	0.861 (0.069) 0.030	0.838 (0.070) 0.012	0.845 (0.071) 0.018
Secondary		0.664 (0.084) 0.000	0.734 (0.085) 0.000	0.702 (0.087) 0.000	0.766 (0.088) 0.002
Higher		0.760 (0.216) 0.205	0.996 (0.226) 0.987	0.849 (0.226) 0.470	1.059 (0.230) 0.804
Maternal occupation			0.013	0.0129	0.659
no work			reference	reference	reference
professional/managerial			1.318 (0.205) 0.177	1.199 (0.208) 0.382	1.256 (0.211) 0.281
clerical/sales			1.046 (0.090) 0.617	0.954 (0.092) 0.607	0.995 (0.093) 0.955
agricultural self employed			1.339 (0.105) 0.005	1.239 (0.107) 0.044	1.158 (0.107) 0.169
agricultural employee			1.095 (0.144) 0.530	1.080 (0.146) 0.596	1.032 (0.145) 0.829
unskilled labour			0.985 (0.162) 0.925	0.921 (0.164) 0.616	0.989 (0.165) 0.947
skilled labour			1.261 (0.075) 0.002	1.155 (0.077) 0.061	1.097 (0.077) 0.228
Paternal occupation			0.000	0.000	0.051
no work			reference	reference	reference
professional/managerial			0.881 (0.296) 0.668	0.835 (0.299) 0.547	0.918 (0.301) 0.776
clerical/sales			0.861 (0.277) 0.590	0.815 (0.280) 0.465	0.945 (0.282) 0.841
agricultural self employed			1.296 (0.258) 0.315	1.342 (0.261) 0.259	1.214 (0.263) 0.460
agricultural employee			1.289 (0.278) 0.351	1.303 (0.275) 0.335	1.215 (0.275) 0.480
unskilled labour			0.983 (0.261) 0.947	0.963 (0.264) 0.886	1.019 (0.266) 0.943
skilled labour			1.449 (0.250) 0.139	1.481 (0.254) 0.121	1.325 (0.256) 0.271
Maternal age at child birth				0.000	0.000
15-24				reference	reference
25-34				1.688 (0.177) 0.003	1.767 (0.177) 0.001
35-44				2.826 (0.174) 0.000	3.156 (0.175) 0.000
45 and above				3.249 (0.179) 0.000	3.892 (0.181) 0.000
Parity				0.000	0.000
1 to 2				reference	reference
3 to 4				0.569 (0.067) 0.000	0.561 (0.067) 0.000
5 or above				0.330 (0.086) 0.000	0.302 (0.087) 0.000
Preceding birth interval				0.000	0.000

Independent Variables	Batch 1(maternal education)	Batch 2 (maternal & paternal education)	Batch 3 (parents' education and occupation)	Batch 4 (parents' education, occupation, maternal and child characteristics)	Batch 5 (parents' education, occupation, maternal, child, household and community characteristics)
no preceding birth				reference	reference
less than a year				3.550 (0.171) 0.000	3.364 (0.17) 0.000
between 1 and 2 years				2.073 (0.079) 0.000	2.036 (0.079) 0.000
above 2 years				0.725 (0.067) 0.000	0.716 (0.067) 0.000
Child sex					
male				reference	reference
Female				0.816(0.055)0.000	0.815 (0.055) 0.000
Household wealth status					0.000
poorest					reference
Poorer					0.834 (0.073) 0.128
Middle					0.738 (0.081) 0.000
Richer					0.628 (0.096) 0.003
Richest					0.409 (0.141) 0.000
Living with mother-in-law					
No					reference
Yes					0.820 (0.125) 0.111
Residence					
Urban					reference
rural					1.275(0.100) 0.011

Table 5: Stepwise logistic regression of maternal education on under-five mortality controlling for potential confounders: adjusted odds ratio (standard error) p value

Independent Variables	Batch 1(maternal education)	Batch 2 (maternal & paternal education)	Batch 3 (parents' education and occupation)	Batch 4 (parents' education, occupation, maternal and child characteristics)	Batch 5 (parents' education, occupation, maternal, child, household and community characteristics)
Maternal education	0.000	0.000	0.000	0.000	0.000
No education	reference	reference	reference	reference	reference
Primary	0.671 (0.055)0.000	0.762 (0.060) 0.000	0.768 (0.060) 0.000	0.751 (0.062) 0.000	0.772 (0.063) 0.000
Secondary	0.392 (0.079) 0.000	0.497 (0.089) 0.000	0.555 (0.090) 0.000	0.521 (0.094) 0.000	0.606 (0.095) 0.000
Higher	0.227 (0.195) 0.000	0.293 (0.222) 0.000	0.329 (0.233) 0.000	0.286 (0.235) 0.000	0.387 (0.241) 0.000
Paternal education		0.000	0.000	0.000	0.000
No education		reference	reference	reference	reference
Primary		0.798 (0.068) 0.000	0.803 (0.062) 0.000	0.785 (0.064) 0.000	0.794 (0.064) 0.000
Secondary		0.618 (0.076) 0.000	0.678 (0.078) 0.000	0.647 (0.079) 0.000	0.710 (0.080) 0.000
Higher		0.727 (0.202) 0.113	0.943 (0.210) 0.781	0.800 (0.211) 0.839	1.974 (0.214) 0.900
Maternal occupation			0.035	0.284	0.828
no work			reference	reference	reference

Independent Variables	Batch 1(maternal education)	Batch 2 (maternal & paternal education)	Batch 3 (parents' education and occupation)	Batch 4 (parents' education, occupation, maternal and child characteristics)	Batch 5 (parents' education, occupation, maternal, child, household and community characteristics)
professional/managerial			1.291 (0.190) 0.177	1.188 (0.192) 0.368	1.247 (0.195) 0.258
clerical/sales			1.046 (0.082) 0.579	0.951 (0.83) 0.547	0.997 (0.084) 0.970
agricultural self employed			1.221 (0.096) 0.037	1.129 (0.097) 0.212	1.055 (0.097) 0.581
agricultural employee			1.009 (0.132) 0.947	1.001 (0.133) 0.999	0.964 (0.133) 0.781
unskilled labour			0.975 (0.148) 0.864	0.916 (0.149) 0.559	0.979 (0.150) 0.885
skilled labour			1.229 (0.068) 0.002	1.126 (0.070) 0.008	1.073 (0.070) 0.311
Paternal occupation			0.000	0.000	0.038
no work			reference	reference	reference
professional/managerial			0.848 (0.265) 0.534	0.817 (0.568) 0.451	0.885 (0.270) 0.650
clerical/sales			0.848 (0.245) 0.501	0.819 (0.248) 0.422	0.934 (0.250) 0.785
agricultural self employed			1.315 (0.228) 0.230	1.382 (0.244) 0.266	1.241 (0.233) 0.353
agricultural employee			1.280 (0.241) 0.306	1.312 (0.231) 0.851	1.213 (0.245) 0.431
unskilled labour			0.952 (0.231) 0.830	0.957 (0.234) 0.815	1.002 (0.236) 0.994
skilled labour			1.369 (0.221) 0.155	1.431 (0.225) 0.110	1.268 (0.226) 0.294
Maternal age at child birth				0.000	0.000
15-24				reference	reference
25-34				1.807 (0.170) 0.000	1.900 (0.170) 0.000
35-44				3.153 (0.167) 0.000	3.536 (0.168) 0.000
45 and above				3.905 (0.171) 0.000	4.707 (0.173) 0.000
Parity including current pregnancy				0.000	0.000
1 to 2				reference	reference
3 to 4				0.584 (0.061) 0.000	0.576 (0.062) 0.000
5 or above				0.368 (0.077) 0.000	0.337 (0.078) 0.000
Preceding birth interval				0.000	0.000
no preceding birth				reference	reference
less than a year				3.200 (0.163) 0.000	3.010 (0.0164) 0.000
between 1 and 2 years				1.948 (0.073) 0.000	1.908 (0.074) 0.000
above 2 years				0.747 (0.061) 0.000	0.737 (0.061) 0.000
Child sex					
male				reference	reference
Female				0.858 (0.050) 0.002	0.857 (0.050) 0.002
Household wealth status					0.000
poorest					reference
Poorer					0.790 (0.068) 0.001
Middle					0.727 (0.074) 0.000
Richer					0.581 (0.089) 0.000
Richest					0.447 (0.125) 0.000
Living with grandmother					
No					reference
Yes					0.797 (0.114) 0.048
Residence					

Independent Variables	Batch 1(maternal education)	Batch 2 (maternal & paternal education)	Batch 3 (parents' education and occupation)	Batch 4 (parents' education, occupation, maternal and child characteristics)	Batch 5 (parents' education, occupation, maternal, child, household and community characteristics)
Urban					reference
rural					1.284 (0.091) 0.006