

Remittances, Liquidity Constraints and Human Capital Investments in Ecuador

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Supplemental Appendix

Table A-1 School attendance for remittance recipients and non-recipients aged 10 to 17 (percentages)

	Remittance recipients			Remittance non-recipients		
	Boys	Girls	All	Boys	Girls	All
School attendance						
10-11	96.32	96.59	96.47	91.65	93.00	92.34
12-14	86.61	89.52	88.02	79.54	78.54	79.07
15-17	71.22	66.71	69.00	61.30	64.00	62.62
10-17	82.92	83.07	82.99	76.54	77.67	77.08
Enrolment						
10-11	98.55	99.16	98.88	97.57	97.12	97.34
12-14	91.52	93.50	92.48	85.74	83.14	84.54
15-17	78.87	78.93	78.90	67.75	70.19	68.95
10-17	88.27	89.69	88.98	82.75	82.68	82.72

Table A-2 Distribution of shocks by province (% of population affected)

Province	Individual	Drought	Period of frost	Plague
Sierra region				
Azuay	20.5	23.6	25.4	10.6
Bolivar	13.3	54.1	39.0	53.5
Canar	29.7	32.9	40.2	16.2
Carchi	19.2	11.7	9.8	9.7
Cotopaxi	15.4	42.6	46.6	35.8
Chimborazo	12.4	50.6	51.3	46.0
Imbabura	14.1	13.2	7.6	12.7
Loja	25.1	32.2	21.9	24.2
Pichincha	15.0	3.9	3.8	4.0
Tungurahua	14.8	39.7	37.8	37.2
Total	16.7	20.3	19.3	16.7
Costa region				
El Oro	11.4	5.1	4.0	4.2
Esmeraldas	17.7	13.9	0.2	10.3
Guayas	9.4	6.8	2.7	7.7
Los Rios	16.3	15.7	3.6	14.2
Manabi	15.6	19.6	2.2	15.9
Total	12.1	10.6	2.7	9.9
Amazonia region				
Morona Santiago	28.6	2.4	0.4	8.3
Napo	12.5	1.5	0.0	21.9
Pastaza	23.8	6.2	0.0	18.2
Zamora Chinchipe	13.3	0.0	0.9	4.0
Sucumbios	21.4	2.0	2.1	12.3
Orellana	22.6	9.6	0.5	26.1
Total	21.8	3.8	0.7	14.8
Ecuador	14.7	14.7	10.1	13.2

Table A-3 First stage regression results, excluding shocks (dependent variable: per capita remittances)

	(1) OLS	(2) OLS	(3) OLS	(4) Tobit	(5) Probit
Age	-1.2713 [1.0807]	-0.9562 [0.9658]	-0.9914 [0.9660]	-7.8987 [6.0174]	-0.0475 [0.1038]
Age squared	0.0489 [0.0401]	0.0346 [0.0359]	0.0360 [0.0359]	0.2957 [0.2226]	0.0024 [0.0038]
Female	-0.2891 [0.3664]	-0.3015 [0.3273]	-0.3193 [0.3272]	-1.6678 [2.0545]	0.0030 [0.0353]
Female household head	7.3040** [0.6964]	4.3957** [0.6271]	4.4402** [0.6227]	12.7382** [3.1398]	0.4736** [0.0600]
Head of household is married	1.4557** [0.4592]	1.0042* [0.4111]	0.8324* [0.3784]	4.6513+ [2.5533]	0.0909* [0.0445]
Highest educated female: primary	-0.8413 [0.7539]	-0.7788 [0.6741]	-0.6859 [0.6701]	-11.4032* [5.3273]	-0.0291 [0.0848]
Highest educated female: secondary	-0.6216 [0.8311]	-1.6540* [0.7440]	-1.4793* [0.7377]	-10.3119+ [5.5080]	0.2245* [0.0892]
Highest educated female: higher	-1.1467 [0.9685]	-1.7281* [0.8658]	-1.4232+ [0.8534]	-15.3470** [5.9148]	0.0733 [0.0987]
Highest educated male: primary	-0.6051 [0.9744]	-0.5176 [0.8706]	-0.5173 [0.8683]	-0.6291 [6.8962]	-0.0217 [0.1089]
Highest educated male: secondary	-0.6671 [1.0210]	-0.5041 [0.9121]	-0.4213 [0.9078]	2.4353 [7.0171]	0.0030 [0.1119]
Highest educated male: higher	-1.1141 [1.1300]	-0.4180 [1.0103]	-0.3087 [1.0066]	4.9680 [7.3109]	-0.0620 [0.1189]
Household size	0.0437 [0.0869]	-0.0744 [0.0777]	-0.0746 [0.0770]	-1.1099* [0.5220]	0.0189* [0.0085]
Home owner	-0.0356 [0.4406]	-0.0452 [0.3937]	-0.0274 [0.3893]	1.1113 [2.4560]	0.0097 [0.0420]
Dirt floor	-0.0421 [0.6623]	-0.1650 [0.5919]	-0.3691 [0.5772]	-2.9458 [4.8042]	0.0074 [0.0730]
Access to water by public network	1.3481** [0.4983]	0.2174 [0.4481]	0.2855 [0.4118]	1.3749 [3.0027]	0.2613** [0.0488]
Access to electricity	0.3798 [0.7992]	-0.4295 [0.7143]	-0.4577 [0.6907]	3.7805 [7.9337]	0.3831** [0.1108]
In-house toilet	0.8346 [0.5322]	0.1234 [0.4759]	0.1632 [0.4717]	0.6802 [4.0222]	0.1911** [0.0588]
Telephone	4.9776** [0.5104]	2.5915** [0.4601]	2.6005** [0.4527]	12.0059** [2.5011]	0.3858** [0.0450]
Rural area	-0.1283 [0.5171]	-0.5783 [0.4622]		-3.9098 [3.0219]	0.0982* [0.0493]
Poverty headcount	-19.4322** [3.5623]	-6.4779* [3.2209]		-66.2291** [23.1410]	-2.7726** [0.3561]
Unemployment rate	11.7531+ [6.3881]	5.9343 [5.8269]		46.0747 [39.7494]	2.0578** [0.6322]
Rural population	13.6328** [1.9890]	7.7061** [2.5111]		72.7769** [16.8654]	2.3917** [0.2664]
Average age district	-0.0301 [0.2816]	0.1211 [0.2584]		1.6535 [2.0237]	0.0105 [0.0296]
Costa	3.5016** [0.7089]	1.7472** [0.6767]		12.5008** [4.5088]	0.5401** [0.0733]

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Table A-3 (continued)

	(1)	(2)	(3)	(4)	(5)
Amazonia	1.7654 [1.3354]	1.3594 [1.2110]		13.3562 [9.2665]	0.2289+ [0.1328]
Western Union branches		0.0309 [0.0297]	-0.0131 [0.0162]	0.9545** [0.2647]	0.0129** [0.0031]
Spain		22.1194** [0.9382]	22.1843** [0.9372]	129.9543** [5.0488]	
USA		23.9551** [1.1922]	24.5407** [1.1713]	127.1563** [5.3416]	
Italy		20.2796** [2.1718]	20.3237** [2.1693]	120.0124** [7.1030]	
Andean community		-1.1450 [5.5167]	-1.2347 [5.5166]	114.3044** [15.0118]	
Other countries		17.2036** [3.4538]	16.8060** [3.4515]	98.0242** [9.8220]	
WU × Spain		-0.0051 [0.0513]	-0.0099 [0.0513]	-0.8030** [0.2215]	
WU × USA		-0.2383** [0.0707]	-0.2477** [0.0705]	-1.2490** [0.2488]	
WU × Italy		0.0241 [0.1044]	0.0223 [0.1044]	-0.4057 [0.3247]	
WU × Andean community		0.2741 [0.2790]	0.2774 [0.2788]	-0.8743 [0.7438]	
WU × Other countries		0.4781** [0.1819]	0.4870** [0.1819]	0.6846 [0.5031]	
Constant	7.6199 [11.5300]	1.4863 [10.7500]	7.4682 [6.4930]	-122.4306 [78.7949]	-2.9331* [1.2103]
Observations	8600	8600	8600	8600	8600
R-squared	0.05	0.24	0.24		
Pseudo R-squared				0.28	0.09
Joint significance instruments, F-statistic		199.29**	204.42**	121.20**	

Note: Standard errors in brackets.

+ significant at 10%; * significant at 5%; ** significant at 1%

Table A-4 First stage regression results, including shocks (dependent variable: per capita remittances)

	(1) OLS	(2) OLS	(3) OLS	(4) Tobit	(5) Probit
Age	-1.3788 [1.0792]	-0.9941 [0.9657]	-1.0289 [0.9658]	-8.5129 [6.0030]	-0.0683 [0.1044]
Age squared	0.0526 [0.0401]	0.0359 [0.0359]	0.0373 [0.0359]	0.3190 [0.2220]	0.0031 [0.0039]
Female	-0.3025 [0.3659]	-0.3114 [0.3272]	-0.3256 [0.3271]	-1.7622 [2.0490]	0.0035 [0.0355]
Female household head	7.1358** [0.6958]	4.3238** [0.6272]	4.3192** [0.6233]	12.4688** [3.1270]	0.4574** [0.0603]
Head of household is married	1.3455** [0.4598]	0.9314* [0.4122]	0.7093+ [0.3840]	4.5669+ [2.5472]	0.0856+ [0.0449]
Highest educated female: primary	-0.9314 [0.7537]	-0.7952 [0.6748]	-0.7116 [0.6718]	-12.0344* [5.3046]	-0.0569 [0.0849]
Highest educated female: secondary	-0.7388 [0.8320]	-1.6645* [0.7455]	-1.5080* [0.7418]	-10.9835* [5.4950]	0.1895* [0.0894]
Highest educated female: higher	-1.2753 [0.9683]	-1.7599* [0.8668]	-1.4690+ [0.8575]	-16.1464** [5.9007]	0.0384 [0.0989]
Highest educated male: primary	-0.4306 [0.9740]	-0.4157 [0.8714]	-0.4216 [0.8698]	-1.5561 [6.8306]	-0.0127 [0.1091]
Highest educated male: secondary	-0.5419 [1.0214]	-0.4130 [0.9137]	-0.3475 [0.9113]	1.5907 [6.9500]	0.0047 [0.1120]
Highest educated male: higher	-0.8355 [1.1311]	-0.2698 [1.0126]	-0.1829 [1.0105]	4.4640 [7.2428]	-0.0408 [0.1192]
Household size	0.0276 [0.0869]	-0.0831 [0.0778]	-0.0823 [0.0772]	-1.3322* [0.5279]	0.0169* [0.0086]
Home owner	-0.0444 [0.4419]	-0.0548 [0.3953]	0.0002 [0.3911]	1.6213 [2.4579]	0.0151 [0.0423]
Dirt floor	-0.3979 [0.6728]	-0.4295 [0.6022]	-0.6397 [0.5925]	-3.9791 [4.8239]	0.0027 [0.0745]
Access to water by public network	1.3231** [0.5020]	0.2205 [0.4516]	0.2236 [0.4221]	0.8548 [2.9959]	0.2458** [0.0494]
Access to electricity	-0.0855 [0.8033]	-0.7112 [0.7188]	-0.7651 [0.6975]	4.0464 [8.0212]	0.3677** [0.1127]
In-house toilet	0.8052 [0.5316]	0.1036 [0.4760]	0.1202 [0.4721]	-0.1289 [4.0138]	0.1856** [0.0592]
Telephone	4.9553** [0.5097]	2.5782** [0.4600]	2.5424** [0.4528]	11.8428** [2.4985]	0.3894** [0.0452]
Rural area	-0.0560 [0.5298]	-0.5080 [0.4746]		-3.6472 [3.1335]	0.1120* [0.0508]
Poverty headcount	-17.0110** [3.6108]	-4.9338 [3.2649]		-64.1184** [23.1540]	-2.7198** [0.3609]
Unemployment rate	11.3874+ [6.4588]	6.6378 [5.8850]		35.3952 [39.8216]	1.6584** [0.6400]
Rural population	12.1081** [2.0159]	6.8603** [2.5435]		67.2959** [16.9461]	2.2818** [0.2724]
Average age district	0.0279 [0.2819]	0.1568 [0.2586]		1.2326 [2.0234]	0.0069 [0.0298]
Costa	3.5542** [0.7132]	1.8355** [0.6796]		11.5359* [4.5105]	0.5164** [0.0739]

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Table A-4 (continued)

	(1)	(2)	(3)	(4)	(5)
Amazonia	1.9580 [1.3594]	1.5122 [1.2307]		11.5671 [9.3134]	0.1898 [0.1359]
Death, illness, accident	2.3146** [0.5081]	0.6621 [0.4561]	0.7143 [0.4539]	6.8777** [2.5321]	0.3369** [0.0455]
Drought	-0.2154 [0.6191]	-0.6269 [0.5545]	-0.7003 [0.5401]	-0.8986 [3.5139]	0.0932 [0.0636]
Period of frost	2.1726** [0.6741]	1.8185** [0.6037]	1.7965** [0.5810]	5.3346 [3.8076]	-0.0024 [0.0678]
Plagues	-1.6598** [0.6192]	-0.8217 [0.5548]	-0.9675+ [0.5505]	-6.2123 [4.0744]	-0.2142** [0.0673]
Western Union branches		0.0294 [0.0297]	-0.0115 [0.0163]	0.9264** [0.2643]	0.0132** [0.0031]
Spain		22.0672** [0.9400]	22.1093** [0.9390]	129.0942** [5.0308]	
USA		23.7708** [1.1942]	24.2313** [1.1759]	125.7906** [5.3345]	
Italy		20.2790** [2.1713]	20.3293** [2.1687]	119.7589** [7.0859]	
Andean community		-1.2999 [5.5175]	-1.4690 [5.5163]	111.8891** [15.0071]	
Other countries		17.3093** [3.4523]	16.9450** [3.4498]	98.0796** [9.7829]	
WU × Spain		-0.0049 [0.0513]	-0.0083 [0.0513]	-0.7880** [0.2210]	
WU × USA		-0.2346** [0.0707]	-0.2407** [0.0705]	-1.2161** [0.2486]	
WU × Italy		0.0222 [0.1044]	0.0226 [0.1044]	-0.3980 [0.3240]	
WU × Andean community		0.2776 [0.2789]	0.2879 [0.2788]	-0.7724 [0.7425]	
WU × Other countries		0.4741** [0.1818]	0.4818** [0.1818]	0.6829 [0.5013]	
Constant	6.7715 [11.5380]	0.6421 [10.7593]	8.1215 [6.4949]	-100.5812 [78.8165]	-2.6010* [1.2168]
Observations	8600	8600	8600	8600	8600
R-squared	0.05	0.24	0.24		
Pseudo R-squared				0.28	0.10
Joint significance instruments, F-statistic		196.65**	200.80**	120.68**	

Note: Standard errors in brackets.

+ significant at 10%; * significant at 5%; ** significant at 1%

Table A-5 Wald test of exogeneity (Chi squared values and significance levels)

	All	Male	Female	Urban	Rural	Non-poor	Poor
<i>Excluding shock variables</i>							
School enrolment	1.30	0.59	1.04	1.00	7.77**	0.05	1.02
Non-domestic work incidence	0.02	0.48	0.48	0.99	3.73+	1.91	0.78
Domestic work incidence	0.60	1.28	0.19	4.93*	2.59	0.09	0.26
<i>Including shock variables</i>							
School enrolment	1.37	0.70	0.98	0.79	7.75**	0.02	0.91
Non-domestic work incidence	0.02	0.53	0.61	1.34	4.31*	1.42	0.58
Domestic work incidence	0.55	1.18	0.23	5.61*	3.25+	0.05	0.15

+ significant at 10%; * significant at 5%; ** significant at 1%

Table A-6 Effect of remittances on school enrolment and school attendance amongst children age 10 to 17, by population group (IV probit marginal effects)

	All	Male	Female	Urban	Rural	Non-poor	Poor
<i>Excluding shock variables</i>							
School enrolment	0.0009*	0.0006	0.0013*	-0.00001	0.0042**	0.0001	0.0045+
School attendance	0.0012+	0.0010	0.0016+	-0.0002	0.0053**	0.0001	0.0062*
<i>Including shock variables</i>							
School enrolment	0.0009*	0.0007	0.0013*	-0.00005	0.0043**	0.0001	0.0044+
School attendance	0.0012*	0.0011	0.0016+	-0.0001	0.0052**	0.0002	0.0062*
Number of observations	8,600	4,466	4,134	4,199	4,401	4,384	4,200

+ significant at 10%; * significant at 5%; ** significant at 1%

Note: Other covariates have been omitted for convenience. These include the child's characteristics (age, age squared and gender), characteristics of the head of household (gender, marital status, education), household characteristics and living conditions (household size, owns home, house has dirt floor, access to water by public network, access to electricity, in-house toilet, telephone), and regional welfare and demographic characteristics (rural dummy variable; poverty headcount, unemployment rate, percentage rural population and average age in province; Sierra-Costa-Amazonia dummy variables).

Table A-7 Sensitivity to choice of sample: effect of remittances on school enrolment and work incidence amongst children of different age groups (IV probit marginal effects)

	Age 10-17 years	Age 12-17 years
<i>Excluding shock variables</i>		
IV probit		
School enrolment	0.0009*	0.0012+
Non-domestic work incidence	-0.0007	-0.0014
Domestic work incidence	0.0006	0.0004
IV MNL		
Enrolment in public school	-0.0005	0.00005
Enrolment in private school	0.0013**	0.0013**
<i>Including shock variables</i>		
IV probit		
School enrolment	0.0009*	0.0012+
Non-domestic work incidence	-0.0007	-0.0013
Domestic work incidence	0.0005	0.0005
Number of observations	8,600	6,217

+ significant at 10%; * significant at 5%; ** significant at 1%

Note: Other covariates have been omitted for convenience, with specification similar to Table A-6.

Table A-8 Determinants of school enrolment amongst children age 10 to 17, excluding shocks (IV probit)

	(1) All	(2) Male	(3) Female	(4) Urban	(5) Rural	(6) Non-poor	(7) Poor
Monthly per capita remittances	0.0055 [0.0027]	0.0041 [0.0037]	0.0079 [0.0040]	-0.0009 [0.0033]	0.0181 [0.0049]	0.0009 [0.0030]	0.0165 [0.0089]
Age	-1.1864 [0.1321]	-1.1232 [0.1911]	-1.2673 [0.1855]	-0.4508 [0.2091]	-1.5684 [0.1708]	-0.7126 [0.2437]	-1.3268 [0.1630]
Age squared	0.0322 [0.0047]	0.0293 [0.0068]	0.0356 [0.0066]	0.0071 [0.0074]	0.0454 [0.0061]	0.0161 [0.0085]	0.0367 [0.0059]
Female	-0.0977 [0.0378]			-0.0358 [0.0614]	-0.1392 [0.0482]	-0.0900 [0.0646]	-0.0749 [0.0478]
Female household head	-0.1890 [0.0700]	-0.2426 [0.1005]	-0.1428 [0.0983]	-0.1454 [0.0956]	-0.1763 [0.1034]	-0.1730 [0.1159]	-0.1482 [0.0887]
Head of household is married	0.1602 [0.0471]	0.1052 [0.0654]	0.2089 [0.0688]	0.2811 [0.0724]	0.0588 [0.0640]	0.1882 [0.0784]	0.1275 [0.0607]
Highest educated female: primary	0.2183 [0.0644]	0.2472 [0.0907]	0.1859 [0.0927]	0.4911 [0.1522]	0.1529 [0.0720]	0.4949 [0.1394]	0.0971 [0.0736]
Highest educated female: secondary	0.5815 [0.0756]	0.6201 [0.1060]	0.5488 [0.1090]	0.7291 [0.1544]	0.6173 [0.0945]	0.7292 [0.1461]	0.4686 [0.0936]
Highest educated female: higher	0.6837 [0.1031]	0.7965 [0.1524]	0.6038 [0.1432]	0.9022 [0.1716]	0.6049 [0.1802]	0.8140 [0.1643]	0.6239 [0.1853]
Highest educated male: primary	-0.0917 [0.0851]	-0.0083 [0.1183]	-0.1947 [0.1244]	-0.1478 [0.2271]	-0.0859 [0.0929]	0.1537 [0.1899]	-0.1541 [0.0963]
Highest educated male: secondary	0.2550 [0.0915]	0.4231 [0.1278]	0.0632 [0.1331]	0.0623 [0.2267]	0.3809 [0.1057]	0.4319 [0.1940]	0.1895 [0.1065]
Highest educated male: higher	0.5121 [0.1164]	0.8205 [0.1704]	0.2168 [0.1642]	0.2506 [0.2411]	0.8638 [0.1843]	0.5280 [0.2048]	1.0251 [0.2806]
Household size	-0.0456 [0.0083]	-0.0425 [0.0115]	-0.0504 [0.0122]	-0.0517 [0.0153]	-0.0449 [0.0100]	-0.0644 [0.0202]	-0.0083 [0.0102]
Home owner	0.0619 [0.0467]	0.0327 [0.0664]	0.0990 [0.0662]	0.1095 [0.0690]	0.0084 [0.0654]	0.1561 [0.0755]	-0.0142 [0.0609]
Dirt floor	-0.2961 [0.0586]	-0.2175 [0.0833]	-0.3763 [0.0834]	-0.2378 [0.1418]	-0.2693 [0.0669]	-0.3416 [0.1537]	-0.2172 [0.0655]
Access to water by public network	0.1081 [0.0491]	0.0866 [0.0690]	0.1361 [0.0707]	0.1734 [0.0853]	0.0985 [0.0624]	0.1175 [0.0911]	0.0748 [0.0600]

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Table A-8 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Access to electricity	0.1729 [0.0706]	0.1829 [0.0985]	0.1927 [0.1025]	0.0480 [0.3157]	0.1919 [0.0754]	0.0248 [0.2329]	0.1851 [0.0767]
In-house toilet	0.1922 [0.0483]	0.2547 [0.0669]	0.1178 [0.0706]	0.1768 [0.1106]	0.1770 [0.0543]	0.3582 [0.1158]	0.1134 [0.0542]
Telephone	0.3711 [0.0621]	0.4519 [0.0908]	0.3044 [0.0869]	0.3666 [0.0782]	0.2905 [0.1074]	0.2572 [0.0792]	0.2792 [0.1190]
Rural area	-0.1236 [0.0538]	-0.0273 [0.0759]	-0.2205 [0.0773]			-0.0379 [0.0895]	-0.1257 [0.0709]
Poverty headcount in province	-0.1654 [0.3670]	-0.4889 [0.5295]	0.2011 [0.5134]	1.6963 [0.7274]	-0.6415 [0.4479]	0.4081 [0.6643]	0.1233 [0.4668]
Unemployment rate in province	-1.6803 [0.6698]	-3.3435 [0.9446]	0.0236 [0.9616]	0.9429 [1.4146]	-2.5136 [0.7904]	-1.3878 [1.1859]	-1.5241 [0.8347]
Fraction of rural population in province	0.2241 [0.2113]	0.1018 [0.3001]	0.3539 [0.3010]	-0.3319 [0.3297]	0.4353 [0.2913]	-0.0176 [0.3395]	0.2324 [0.2852]
Average age in province	-0.0251 [0.0298]	-0.0800 [0.0428]	0.0291 [0.0421]	0.0793 [0.0607]	-0.0272 [0.0359]	-0.0672 [0.0535]	0.0284 [0.0372]
Costa region dummy	0.0801 [0.0757]	-0.1358 [0.1072]	0.3039 [0.1085]	0.0510 [0.1217]	0.1261 [0.1061]	-0.0727 [0.1200]	0.2055 [0.1020]
Amazonia region dummy	0.2959 [0.1431]	0.0623 [0.2009]	0.5400 [0.2072]	0.4540 [0.2859]	0.3915 [0.1737]	-0.2900 [0.2369]	0.6595 [0.1834]
Constant	11.3207 [1.3246]	12.7507 [1.8925]	9.9371 [1.8757]	2.3337 [2.4993]	14.2261 [1.6461]	8.8116 [2.4644]	10.6048 [1.6267]
Observations	8600	4466	4134	4199	4401	4384	4200

Note: Standard errors in brackets.

Table A-9 Determinants of non-domestic work incidence amongst children age 10 to 17, excluding shocks (IV probit)

	(1) All	(2) Male	(3) Female	(4) Urban	(5) Rural	(6) Non-poor	(7) Poor
Monthly per capita remittances	-0.0018 [0.0021]	-0.0024 [0.0029]	-0.0020 [0.0029]	-0.0010 [0.0025]	-0.0061 [0.0039]	-0.0045 [0.0021]	0.0079 [0.0076]
Age	0.8934 [0.0948]	1.0167 [0.1345]	0.7690 [0.1363]	1.0053 [0.1574]	0.9461 [0.1253]	0.7076 [0.1404]	1.0444 [0.1329]
Age squared	-0.0258 [0.0035]	-0.0290 [0.0049]	-0.0225 [0.0050]	-0.0289 [0.0057]	-0.0283 [0.0047]	-0.0197 [0.0051]	-0.0307 [0.0049]
Female	-0.3735 [0.0312]			-0.1791 [0.0481]	-0.5180 [0.0416]	-0.1722 [0.0451]	-0.5667 [0.0445]
Female household head	-0.0073 [0.0609]	-0.0262 [0.0875]	0.0064 [0.0859]	0.0239 [0.0830]	-0.0920 [0.0913]	0.0768 [0.0912]	-0.1170 [0.0831]
Head of household is married	0.0672 [0.0392]	0.0925 [0.0541]	0.0537 [0.0581]	0.0921 [0.0591]	-0.0055 [0.0543]	0.0386 [0.0575]	0.0563 [0.0552]
Highest educated female: primary	-0.2294 [0.0622]	-0.2087 [0.0910]	-0.2378 [0.0874]	0.0276 [0.1506]	-0.2456 [0.0700]	-0.2245 [0.1295]	-0.2105 [0.0724]
Highest educated female: secondary	-0.3214 [0.0686]	-0.3330 [0.0987]	-0.3234 [0.0976]	-0.0819 [0.1515]	-0.3287 [0.0827]	-0.4015 [0.1318]	-0.2200 [0.0871]
Highest educated female: higher	-0.6177 [0.0837]	-0.7662 [0.1212]	-0.5043 [0.1180]	-0.3914 [0.1600]	-0.6345 [0.1320]	-0.6495 [0.1404]	-0.6019 [0.1588]
Highest educated male: primary	-0.1016 [0.0819]	-0.1608 [0.1202]	-0.0171 [0.1153]	0.2265 [0.2108]	-0.1282 [0.0915]	-0.0820 [0.1660]	-0.1275 [0.0957]
Highest educated male: secondary	-0.2665 [0.0857]	-0.4027 [0.1249]	-0.1110 [0.1214]	0.0153 [0.2102]	-0.2688 [0.0992]	-0.2658 [0.1668]	-0.2570 [0.1037]
Highest educated male: higher	-0.4711 [0.0970]	-0.6109 [0.1399]	-0.2888 [0.1379]	-0.1959 [0.2173]	-0.5181 [0.1293]	-0.4179 [0.1717]	-0.5619 [0.1778]
Household size	0.0377 [0.0073]	0.0455 [0.0102]	0.0316 [0.0107]	0.0597 [0.0126]	0.0316 [0.0090]	0.0534 [0.0149]	0.0289 [0.0095]
Home owner	0.1560 [0.0381]	0.1007 [0.0531]	0.2075 [0.0561]	-0.0458 [0.0543]	0.3384 [0.0552]	0.0551 [0.0535]	0.2613 [0.0555]
Dirt floor	0.3141 [0.0547]	0.2454 [0.0781]	0.4096 [0.0780]	0.0349 [0.1373]	0.3003 [0.0627]	0.4182 [0.1347]	0.2620 [0.0633]
Access to water by public network	-0.1914 [0.0407]	-0.2251 [0.0564]	-0.1446 [0.0599]	-0.0916 [0.0730]	-0.2505 [0.0514]	-0.2277 [0.0638]	-0.1516 [0.0545]

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Table A-9 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Access to electricity	-0.3597 [0.0655]	-0.3488 [0.0961]	-0.4347 [0.0930]	0.5399 [0.3286]	-0.4244 [0.0705]	-0.3531 [0.1872]	-0.3882 [0.0734]
In-house toilet	0.0002 [0.0432]	-0.1256 [0.0607]	0.1505 [0.0638]	-0.1145 [0.0987]	0.0384 [0.0491]	-0.1696 [0.0926]	0.0415 [0.0508]
Telephone	-0.1908 [0.0453]	-0.2430 [0.0626]	-0.1407 [0.0664]	-0.0571 [0.0585]	-0.3448 [0.0771]	-0.2034 [0.0534]	0.0168 [0.0989]
Rural area	0.3766 [0.0423]	0.4984 [0.0584]	0.2465 [0.0627]			0.2889 [0.0596]	0.5023 [0.0636]
Poverty headcount in province	-1.3860 [0.2999]	-0.2849 [0.4276]	-2.5727 [0.4268]	-2.4465 [0.5193]	-0.8779 [0.3847]	-1.3489 [0.4472]	-1.1689 [0.4280]
Unemployment rate in province	-2.1667 [0.5319]	-0.1304 [0.7547]	-4.3832 [0.7658]	-2.9740 [0.9650]	-1.6088 [0.6636]	-0.9068 [0.7784]	-3.4173 [0.7485]
Fraction of rural population in province	1.1247 [0.1726]	0.7658 [0.2413]	1.5464 [0.2504]	1.4917 [0.2559]	0.8132 [0.2485]	1.2742 [0.2400]	0.8254 [0.2625]
Average age in province	-0.0720 [0.0235]	-0.0209 [0.0335]	-0.1223 [0.0335]	-0.1033 [0.0417]	-0.0758 [0.0294]	0.0161 [0.0352]	-0.1704 [0.0327]
Costa region dummy	-0.1975 [0.0611]	-0.0236 [0.0855]	-0.3781 [0.0888]	0.0465 [0.0908]	-0.4457 [0.0893]	0.0715 [0.0841]	-0.5598 [0.0923]
Amazonia region dummy	-0.5553 [0.1114]	-0.3681 [0.1580]	-0.7475 [0.1602]	-0.3307 [0.1964]	-0.7876 [0.1404]	-0.0349 [0.1606]	-1.1687 [0.1596]
Constant	-4.6638 [0.9850]	-7.5849 [1.4024]	-2.1214 [1.4089]	-6.0954 [1.7767]	-4.3269 [1.2524]	-5.8949 [1.4993]	-2.8040 [1.3626]
Observations	8600	4466	4134	4199	4401	4384	4200

[Note: Standard errors in brackets.]

Table A-10 Determinants of domestic work incidence amongst children age 10 to 17, excluding shocks (IV probit)

	(1) All	(2) Male	(3) Female	(4) Urban	(5) Rural	(6) Non-poor	(7) Poor
Monthly per capita remittances	0.0019 [0.0021]	0.0027 [0.0029]	-0.0003 [0.0030]	0.0043 [0.0026]	-0.0030 [0.0039]	-0.0008 [0.0022]	0.0076 [0.0074]
Age	0.9232 [0.0975]	0.9469 [0.1370]	0.9023 [0.1398]	1.0115 [0.1691]	1.0010 [0.1239]	0.7880 [0.1495]	1.0981 [0.1320]
Age squared	-0.0288 [0.0036]	-0.0302 [0.0050]	-0.0274 [0.0051]	-0.0304 [0.0061]	-0.0325 [0.0046]	-0.0235 [0.0054]	-0.0356 [0.0049]
Female	0.1306 [0.0317]			0.1067 [0.0513]	0.1520 [0.0407]	0.1136 [0.0475]	0.1554 [0.0433]
Female household head	-0.0120 [0.0628]	0.0051 [0.0901]	-0.0327 [0.0882]	-0.0285 [0.0885]	-0.0352 [0.0903]	0.0496 [0.0948]	-0.0906 [0.0852]
Head of household is married	0.0538 [0.0402]	0.0747 [0.0550]	0.0300 [0.0593]	0.0835 [0.0631]	0.0192 [0.0538]	0.0058 [0.0606]	0.0691 [0.0552]
Highest educated female: primary	-0.1963 [0.0594]	-0.1542 [0.0823]	-0.2499 [0.0870]	0.1041 [0.1612]	-0.2255 [0.0651]	-0.0881 [0.1270]	-0.2049 [0.0681]
Highest educated female: secondary	-0.2786 [0.0668]	-0.2651 [0.0923]	-0.3125 [0.0978]	-0.0661 [0.1626]	-0.2570 [0.0787]	-0.2843 [0.1305]	-0.2050 [0.0838]
Highest educated female: higher	-0.5641 [0.0845]	-0.6689 [0.1218]	-0.4920 [0.1199]	-0.3329 [0.1719]	-0.5492 [0.1325]	-0.5096 [0.1408]	-0.5453 [0.1666]
Highest educated male: primary	-0.0623 [0.0776]	-0.0906 [0.1064]	-0.0230 [0.1150]	0.2229 [0.2208]	-0.0710 [0.0845]	-0.0123 [0.1650]	-0.0945 [0.0891]
Highest educated male: secondary	-0.1516 [0.0821]	-0.1898 [0.1126]	-0.1013 [0.1214]	0.0919 [0.2201]	-0.1453 [0.0928]	-0.1084 [0.1663]	-0.1581 [0.0979]
Highest educated male: higher	-0.3359 [0.0952]	-0.2739 [0.1312]	-0.3781 [0.1400]	-0.1136 [0.2279]	-0.3147 [0.1259]	-0.2738 [0.1721]	-0.3829 [0.1800]
Household size	0.0172 [0.0073]	0.0163 [0.0099]	0.0217 [0.0108]	0.0488 [0.0135]	0.0075 [0.0087]	0.0589 [0.0154]	0.0049 [0.0092]
Home owner	0.1386 [0.0396]	0.0460 [0.0546]	0.2385 [0.0579]	-0.0622 [0.0579]	0.2833 [0.0560]	0.0601 [0.0571]	0.2078 [0.0563]
Dirt floor	0.2102 [0.0526]	0.1295 [0.0721]	0.3209 [0.0780]	0.0428 [0.1451]	0.1881 [0.0587]	0.2145 [0.1317]	0.1969 [0.0599]
Access to water by public network	-0.1864 [0.0415]	-0.2051 [0.0575]	-0.1655 [0.0606]	-0.0705 [0.0783]	-0.2430 [0.0513]	-0.2112 [0.0665]	-0.1641 [0.0545]

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Table A-10 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Access to electricity	-0.1787 [0.0628]	-0.0439 [0.0862]	-0.3473 [0.0932]	0.8770 [0.4167]	-0.2292 [0.0664]	-0.2632 [0.1808]	-0.1787 [0.0693]
In-house toilet	0.0484 [0.0430]	-0.0285 [0.0584]	0.1450 [0.0643]	-0.1342 [0.1048]	0.0857 [0.0477]	-0.0727 [0.0949]	0.0611 [0.0496]
Telephone	-0.1827 [0.0473]	-0.1903 [0.0662]	-0.1672 [0.0683]	-0.0531 [0.0626]	-0.2880 [0.0782]	-0.2194 [0.0566]	0.0315 [0.0997]
Rural area	0.2553 [0.0441]	0.2479 [0.0612]	0.2612 [0.0641]			0.2311 [0.0628]	0.3047 [0.0655]
Poverty headcount in province	-1.2110 [0.3003]	-0.3504 [0.4210]	-2.1974 [0.4317]	-2.6485 [0.5518]	-0.5930 [0.3735]	-1.5650 [0.4671]	-0.6435 [0.4141]
Unemployment rate in province	-2.8705 [0.5304]	-1.6280 [0.7336]	-4.3924 [0.7767]	-3.9905 [1.0205]	-2.2257 [0.6441]	-1.8344 [0.8063]	-3.7653 [0.7235]
Fraction of rural population in province	1.0663 [0.1777]	0.7537 [0.2472]	1.4187 [0.2567]	1.4330 [0.2737]	0.8677 [0.2467]	1.2341 [0.2541]	0.8219 [0.2617]
Average age in province	-0.0449 [0.0237]	0.0068 [0.0333]	-0.1012 [0.0341]	-0.1233 [0.0450]	-0.0188 [0.0289]	0.0136 [0.0370]	-0.1024 [0.0321]
Costa region dummy	-0.2508 [0.0629]	-0.1462 [0.0872]	-0.3702 [0.0912]	-0.0793 [0.0970]	-0.3842 [0.0889]	-0.0714 [0.0889]	-0.4528 [0.0925]
Amazonia region dummy	-0.4606 [0.1129]	-0.2381 [0.1569]	-0.6853 [0.1636]	-0.5482 [0.2141]	-0.4938 [0.1374]	-0.1119 [0.1675]	-0.8414 [0.1581]
Constant	-5.8932 [1.0020]	-7.7368 [1.4035]	-3.7705 [1.4432]	-5.7805 [1.9226]	-6.8608 [1.2367]	-6.7561 [1.5820]	-5.4195 [1.3447]
Observations	8600	4466	4134	4199	4401	4384	4200

Note: Standard errors in brackets.

Table A-11 Determinants of school enrolment amongst children age 10 to 17 (IV probit)

	(1) All	(2) Male	(3) Female	(4) Urban	(5) Rural	(6) Non-poor	(7) Poor
Monthly per capita remittances	0.0056 [0.0028]	0.0045 [0.0038]	0.0078 [0.0040]	-0.0005 [0.0034]	0.0184 [0.0049]	0.0012 [0.0030]	0.0163 [0.0090]
Age	-1.1852 [0.1321]	-1.1255 [0.1912]	-1.2669 [0.1857]	-0.4474 [0.2096]	-1.5660 [0.1709]	-0.7107 [0.2441]	-1.3263 [0.1631]
Age squared	0.0321 [0.0047]	0.0294 [0.0068]	0.0356 [0.0066]	0.0070 [0.0074]	0.0453 [0.0061]	0.0160 [0.0086]	0.0366 [0.0059]
Female	-0.0963 [0.0378]			-0.0372 [0.0616]	-0.1368 [0.0483]	-0.0863 [0.0647]	-0.0738 [0.0479]
Female household head	-0.1871 [0.0699]	-0.2397 [0.1005]	-0.1389 [0.0984]	-0.1452 [0.0957]	-0.1741 [0.1034]	-0.1692 [0.1159]	-0.1467 [0.0887]
Head of household is married	0.1623 [0.0472]	0.1050 [0.0656]	0.2143 [0.0692]	0.2838 [0.0728]	0.0630 [0.0642]	0.1936 [0.0785]	0.1247 [0.0612]
Highest educated female: primary	0.2205 [0.0645]	0.2530 [0.0908]	0.1844 [0.0930]	0.4953 [0.1526]	0.1534 [0.0721]	0.4922 [0.1395]	0.1019 [0.0739]
Highest educated female: secondary	0.5837 [0.0758]	0.6292 [0.1065]	0.5473 [0.1093]	0.7397 [0.1549]	0.6150 [0.0949]	0.7216 [0.1463]	0.4740 [0.0940]
Highest educated female: higher	0.6872 [0.1032]	0.8029 [0.1525]	0.6036 [0.1435]	0.9060 [0.1722]	0.6115 [0.1806]	0.8100 [0.1644]	0.6297 [0.1854]
Highest educated male: primary	-0.0941 [0.0852]	-0.0096 [0.1184]	-0.2008 [0.1248]	-0.1809 [0.2275]	-0.0900 [0.0931]	0.1469 [0.1902]	-0.1525 [0.0966]
Highest educated male: secondary	0.2542 [0.0916]	0.4269 [0.1279]	0.0567 [0.1337]	0.0446 [0.2269]	0.3777 [0.1059]	0.4246 [0.1944]	0.1923 [0.1068]
Highest educated male: higher	0.5093 [0.1165]	0.8188 [0.1706]	0.2099 [0.1647]	0.2329 [0.2413]	0.8627 [0.1844]	0.5162 [0.2051]	1.0354 [0.2808]
Household size	-0.0455 [0.0084]	-0.0423 [0.0116]	-0.0499 [0.0122]	-0.0526 [0.0154]	-0.0448 [0.0100]	-0.0638 [0.0203]	-0.0085 [0.0103]
Home owner	0.0602 [0.0470]	0.0288 [0.0668]	0.0987 [0.0667]	0.0950 [0.0694]	0.0056 [0.0661]	0.1636 [0.0760]	-0.0225 [0.0614]
Dirt floor	-0.2877 [0.0596]	-0.2126 [0.0847]	-0.3642 [0.0853]	-0.2531 [0.1436]	-0.2580 [0.0679]	-0.3124 [0.1560]	-0.2169 [0.0667]
Access to water by public network	0.1096 [0.0495]	0.0897 [0.0697]	0.1365 [0.0711]	0.1621 [0.0860]	0.0997 [0.0632]	0.1113 [0.0918]	0.0820 [0.0606]

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Table A-11 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Access to electricity	0.1837 [0.0712]	0.1909 [0.0990]	0.2062 [0.1037]	-0.0303 [0.3215]	0.2034 [0.0760]	0.0144 [0.2354]	0.1931 [0.0773]
In-house toilet	0.1924 [0.0483]	0.2547 [0.0670]	0.1190 [0.0707]	0.1663 [0.1114]	0.1773 [0.0544]	0.3580 [0.1159]	0.1121 [0.0543]
Telephone	0.3715 [0.0622]	0.4532 [0.0909]	0.3068 [0.0871]	0.3731 [0.0783]	0.2947 [0.1076]	0.2586 [0.0793]	0.2835 [0.1192]
Rural area	-0.1292 [0.0553]	-0.0351 [0.0778]	-0.2243 [0.0795]			-0.0145 [0.0933]	-0.1443 [0.0728]
Poverty headcount in province	-0.2297 [0.3734]	-0.5304 [0.5369]	0.1169 [0.5252]	1.8180 [0.7332]	-0.7533 [0.4561]	0.3162 [0.6709]	0.0840 [0.4760]
Unemployment rate in province	-1.6745 [0.6811]	-3.2451 [0.9564]	-0.0501 [0.9836]	1.2149 [1.4186]	-2.5653 [0.8048]	-1.4939 [1.2083]	-1.4481 [0.8506]
Fraction of rural population in province	0.2550 [0.2144]	0.1283 [0.3042]	0.3880 [0.3059]	-0.4059 [0.3375]	0.4842 [0.2945]	0.0584 [0.3441]	0.2376 [0.2886]
Average age in province	-0.0268 [0.0299]	-0.0810 [0.0429]	0.0269 [0.0425]	0.0850 [0.0607]	-0.0308 [0.0361]	-0.0704 [0.0536]	0.0289 [0.0375]
Costa region dummy	0.0784 [0.0764]	-0.1311 [0.1079]	0.2986 [0.1098]	0.0616 [0.1218]	0.1157 [0.1074]	-0.0887 [0.1213]	0.2129 [0.1031]
Amazonia region dummy	0.2911 [0.1466]	0.0684 [0.2045]	0.5317 [0.2139]	0.4871 [0.2867]	0.3740 [0.1787]	-0.3330 [0.2399]	0.6883 [0.1889]
Death, illness, accident	-0.0245 [0.0518]	-0.0767 [0.0722]	0.0227 [0.0750]	-0.0931 [0.0860]	-0.0127 [0.0666]	-0.0966 [0.0861]	-0.0023 [0.0670]
Drought	0.0087 [0.0576]	-0.0160 [0.0803]	0.0487 [0.0836]	0.2969 [0.2351]	0.0156 [0.0613]	-0.0042 [0.1208]	0.0383 [0.0673]
Period of frost	-0.0567 [0.0630]	-0.0146 [0.0888]	-0.0916 [0.0904]	-0.1809 [0.2458]	-0.0808 [0.0682]	-0.1269 [0.1250]	-0.0310 [0.0758]
Plagues	0.0550 [0.0572]	0.0696 [0.0794]	0.0255 [0.0834]	0.3626 [0.2583]	0.0527 [0.0602]	-0.0023 [0.1264]	0.0626 [0.0656]
Constant	11.3597 [1.3285]	12.7771 [1.8957]	10.0101 [1.8856]	2.2280 [2.5036]	14.3289 [1.6513]	8.9510 [2.4745]	10.5756 [1.6335]
Observations	8600	4466	4134	4199	4401	4384	4200

Note: Standard errors in brackets.

Table A-12 Determinants of non-domestic work incidence amongst children age 10 to 17 (IV probit)

	(1) All	(2) Male	(3) Female	(4) Urban	(5) Rural	(6) Non-poor	(7) Poor
Monthly per capita remittances	-0.00195 [0.002113]	-0.0022 [0.0029]	-0.0026 [0.0029]	-0.0007 [0.0025]	-0.0069 [0.0040]	-0.0043 [0.0021]	0.0073 [0.0078]
Age	0.905068 [0.095548]	1.0283 [0.1353]	0.7679 [0.1376]	1.0077 [0.1575]	0.9588 [0.1265]	0.7257 [0.1414]	1.0560 [0.1340]
Age squared	-0.02619 [0.003509]	-0.0294 [0.0050]	-0.0224 [0.0051]	-0.0289 [0.0057]	-0.0287 [0.0047]	-0.0204 [0.0051]	-0.0311 [0.0050]
Female	-0.37853 [0.031441]			-0.1798 [0.0481]	-0.5287 [0.0420]	-0.1742 [0.0453]	-0.5721 [0.0448]
Female household head	-0.0115 [0.061011]	-0.0161 [0.0876]	-0.0153 [0.0864]	0.0203 [0.0831]	-0.0790 [0.0917]	0.0783 [0.0913]	-0.1166 [0.0835]
Head of household is married	0.040086 [0.03939]	0.0713 [0.0545]	0.0214 [0.0585]	0.0905 [0.0592]	-0.0391 [0.0549]	0.0330 [0.0577]	0.0183 [0.0557]
Highest educated female: primary	-0.21013 [0.062859]	-0.1907 [0.0918]	-0.2207 [0.0887]	0.0276 [0.1507]	-0.2358 [0.0707]	-0.2249 [0.1302]	-0.1977 [0.0733]
Highest educated female: secondary	-0.28857 [0.069303]	-0.2968 [0.0996]	-0.3014 [0.0990]	-0.0797 [0.1517]	-0.2974 [0.0837]	-0.3731 [0.1325]	-0.2062 [0.0880]
Highest educated female: higher	-0.59167 [0.084292]	-0.7411 [0.1220]	-0.4853 [0.1190]	-0.3943 [0.1602]	-0.5935 [0.1330]	-0.6320 [0.1410]	-0.6057 [0.1595]
Highest educated male: primary	-0.06885 [0.082714]	-0.1434 [0.1215]	0.0340 [0.1167]	0.2098 [0.2114]	-0.0851 [0.0924]	-0.0608 [0.1679]	-0.0977 [0.0967]
Highest educated male: secondary	-0.22574 [0.086557]	-0.3794 [0.1261]	-0.0471 [0.1230]	0.0031 [0.2107]	-0.2267 [0.1001]	-0.2341 [0.1687]	-0.2272 [0.1047]
Highest educated male: higher	-0.41442 [0.097898]	-0.5725 [0.1413]	-0.2133 [0.1395]	-0.2040 [0.2177]	-0.4494 [0.1309]	-0.3840 [0.1737]	-0.4833 [0.1787]
Household size	0.035593 [0.007319]	0.0452 [0.0103]	0.0272 [0.0108]	0.0595 [0.0127]	0.0301 [0.0091]	0.0502 [0.0150]	0.0276 [0.0095]
Home owner	0.114213 [0.038447]	0.0637 [0.0536]	0.1597 [0.0567]	-0.0519 [0.0544]	0.2699 [0.0562]	0.0189 [0.0539]	0.2195 [0.0562]
Dirt floor	0.237046 [0.056062]	0.1807 [0.0797]	0.3153 [0.0804]	0.0248 [0.1383]	0.2263 [0.0641]	0.3296 [0.1376]	0.1997 [0.0649]
Access to water by public network	-0.13909 [0.041409]	-0.1695 [0.0575]	-0.0983 [0.0609]	-0.0968 [0.0734]	-0.1791 [0.0527]	-0.1750 [0.0650]	-0.1065 [0.0554]

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Table A-12 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Access to electricity	-0.38492 [0.066248]	-0.3565 [0.0972]	-0.4813 [0.0942]	0.4761 [0.3294]	-0.4442 [0.0712]	-0.3082 [0.1890]	-0.4091 [0.0742]
In-house toilet	-0.01588 [0.043618]	-0.1469 [0.0612]	0.1422 [0.0645]	-0.1092 [0.0989]	0.0235 [0.0496]	-0.1751 [0.0935]	0.0289 [0.0513]
Telephone	-0.18172 [0.04555]	-0.2384 [0.0628]	-0.1201 [0.0668]	-0.0553 [0.0586]	-0.3332 [0.0780]	-0.2006 [0.0536]	0.0148 [0.0995]
Rural area	0.278575 [0.043749]	0.4109 [0.0603]	0.1303 [0.0651]			0.1993 [0.0620]	0.4021 [0.0655]
Poverty headcount in province	-1.00185 [0.306979]	-0.0315 [0.4362]	-2.0590 [0.4385]	-2.3297 [0.5240]	-0.4136 [0.3954]	-1.0433 [0.4539]	-0.7664 [0.4406]
Unemployment rate in province	-1.44415 [0.541038]	0.3939 [0.7655]	-3.4240 [0.7820]	-2.8989 [0.9671]	-0.7432 [0.6789]	-0.3018 [0.7921]	-2.6190 [0.7652]
Fraction of rural population in province	0.894842 [0.175619]	0.6013 [0.2456]	1.2508 [0.2549]	1.4214 [0.2610]	0.5502 [0.2529]	1.1249 [0.2435]	0.5858 [0.2670]
Average age in province	-0.05519 [0.023597]	-0.0098 [0.0336]	-0.0980 [0.0338]	-0.1014 [0.0418]	-0.0509 [0.0297]	0.0256 [0.0355]	-0.1445 [0.0329]
Costa region dummy	-0.1295 [0.06181]	0.0301 [0.0864]	-0.2894 [0.0900]	0.0512 [0.0910]	-0.3403 [0.0911]	0.1305 [0.0850]	-0.4793 [0.0939]
Amazonia region dummy	-0.32905 [0.113571]	-0.1918 [0.1605]	-0.4505 [0.1643]	-0.3062 [0.1969]	-0.4694 [0.1449]	0.0981 [0.1624]	-0.8683 [0.1647]
Death, illness, accident	0.042077 [0.042929]	0.0162 [0.0602]	0.0534 [0.0622]	-0.0880 [0.0691]	0.1509 [0.0570]	-0.0317 [0.0624]	0.0771 [0.0618]
Drought	0.254022 [0.049866]	0.2346 [0.0707]	0.3057 [0.0727]	0.0116 [0.1599]	0.2660 [0.0543]	0.1009 [0.0852]	0.3189 [0.0634]
Period of frost	0.257858 [0.054738]	0.1616 [0.0788]	0.3504 [0.0778]	0.2705 [0.1769]	0.2742 [0.0603]	0.3307 [0.0915]	0.1798 [0.0716]
Plagues	0.07619 [0.050335]	0.1237 [0.0712]	0.0090 [0.0737]	-0.0761 [0.1780]	0.0602 [0.0537]	0.1529 [0.0922]	0.0373 [0.0616]
Constant	-5.4432 [0.992272]	-8.1655 [1.4108]	-3.0637 [1.4213]	-6.1080 [1.7795]	-5.4945 [1.2658]	-6.5459 [1.5137]	-3.8376 [1.3761]
Observations	8600	4466	4134	4199	4401	4384	4200

Note: Standard errors in brackets.

Table A-13 Determinants of domestic work incidence amongst children age 10 to 17 (IV probit)

	(1) All	(2) Male	(3) Female	(4) Urban	(5) Rural	(6) Non-poor	(7) Poor
Monthly per capita remittances	0.0017 [0.0022]	0.0027 [0.0029]	-0.0006 [0.0030]	0.0045 [0.0026]	-0.0038 [0.0039]	-0.0008 [0.0022]	0.0069 [0.0075]
Age	0.9288 [0.0980]	0.9507 [0.1376]	0.9053 [0.1411]	1.0141 [0.1693]	1.0065 [0.1247]	0.7940 [0.1502]	1.1066 [0.1329]
Age squared	-0.0290 [0.0036]	-0.0303 [0.0050]	-0.0275 [0.0052]	-0.0305 [0.0061]	-0.0327 [0.0046]	-0.0237 [0.0054]	-0.0359 [0.0049]
Female	0.1304 [0.0319]			0.1052 [0.0513]	0.1515 [0.0410]	0.1104 [0.0477]	0.1564 [0.0436]
Female household head	-0.0134 [0.0629]	0.0184 [0.0902]	-0.0541 [0.0886]	-0.0337 [0.0886]	-0.0167 [0.0908]	0.0483 [0.0949]	-0.0874 [0.0856]
Head of household is married	0.0282 [0.0404]	0.0544 [0.0553]	-0.0022 [0.0597]	0.0790 [0.0632]	-0.0104 [0.0543]	-0.0015 [0.0607]	0.0282 [0.0557]
Highest educated female: primary	-0.1798 [0.0599]	-0.1416 [0.0829]	-0.2309 [0.0881]	0.1060 [0.1616]	-0.2186 [0.0656]	-0.0882 [0.1276]	-0.1881 [0.0689]
Highest educated female: secondary	-0.2483 [0.0674]	-0.2348 [0.0931]	-0.2884 [0.0991]	-0.0631 [0.1629]	-0.2253 [0.0796]	-0.2627 [0.1311]	-0.1827 [0.0846]
Highest educated female: higher	-0.5402 [0.0850]	-0.6489 [0.1224]	-0.4678 [0.1209]	-0.3361 [0.1723]	-0.5137 [0.1333]	-0.4955 [0.1414]	-0.5402 [0.1671]
Highest educated male: primary	-0.0323 [0.0782]	-0.0690 [0.1070]	0.0217 [0.1161]	0.1956 [0.2209]	-0.0324 [0.0850]	0.0079 [0.1657]	-0.0625 [0.0901]
Highest educated male: secondary	-0.1122 [0.0828]	-0.1615 [0.1133]	-0.0433 [0.1228]	0.0748 [0.2200]	-0.1042 [0.0935]	-0.0805 [0.1670]	-0.1225 [0.0989]
Highest educated male: higher	-0.2846 [0.0959]	-0.2314 [0.1320]	-0.3115 [0.1414]	-0.1225 [0.2278]	-0.2599 [0.1272]	-0.2426 [0.1729]	-0.3054 [0.1811]
Household size	0.0150 [0.0073]	0.0154 [0.0100]	0.0171 [0.0109]	0.0472 [0.0136]	0.0058 [0.0087]	0.0567 [0.0155]	0.0031 [0.0093]
Home owner	0.1000 [0.0399]	0.0121 [0.0551]	0.1941 [0.0585]	-0.0714 [0.0581]	0.2239 [0.0568]	0.0340 [0.0574]	0.1644 [0.0569]
Dirt floor	0.1371 [0.0540]	0.0703 [0.0737]	0.2300 [0.0804]	0.0152 [0.1471]	0.1203 [0.0599]	0.1340 [0.1342]	0.1336 [0.0615]
Access to water by public network	-0.1387 [0.0422]	-0.1560 [0.0585]	-0.1211 [0.0616]	-0.0749 [0.0788]	-0.1822 [0.0524]	-0.1759 [0.0676]	-0.1187 [0.0555]

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Table A-13 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Access to electricity	-0.1960 [0.0635]	-0.0460 [0.0870]	-0.3837 [0.0942]	0.8131 [0.4184]	-0.2389 [0.0670]	-0.2442 [0.1825]	-0.1888 [0.0701]
In-house toilet	0.0347 [0.0433]	-0.0445 [0.0587]	0.1363 [0.0649]	-0.1314 [0.1051]	0.0726 [0.0480]	-0.0723 [0.0952]	0.0474 [0.0500]
Telephone	-0.1733 [0.0475]	-0.1853 [0.0665]	-0.1496 [0.0687]	-0.0495 [0.0627]	-0.2740 [0.0790]	-0.2179 [0.0568]	0.0301 [0.1005]
Rural area	0.1640 [0.0456]	0.1697 [0.0631]	0.1523 [0.0664]			0.1659 [0.0652]	0.1982 [0.0675]
Poverty headcount in province	-0.8699 [0.3073]	-0.1299 [0.4295]	-1.7246 [0.4436]	-2.4903 [0.5572]	-0.1893 [0.3828]	-1.3210 [0.4725]	-0.2582 [0.4261]
Unemployment rate in province	-2.1856 [0.5397]	-1.1695 [0.7443]	-3.4205 [0.7929]	-3.8776 [1.0232]	-1.4480 [0.6580]	-1.4319 [0.8196]	-2.9243 [0.7399]
Fraction of rural population in province	0.8575 [0.1804]	0.5966 [0.2507]	1.1566 [0.2612]	1.3258 [0.2791]	0.6293 [0.2503]	1.0962 [0.2571]	0.5850 [0.2654]
Average age in province	-0.0296 [0.0239]	0.0157 [0.0334]	-0.0779 [0.0344]	-0.1210 [0.0450]	0.0015 [0.0292]	0.0202 [0.0371]	-0.0778 [0.0325]
Costa region dummy	-0.1849 [0.0636]	-0.0950 [0.0883]	-0.2848 [0.0925]	-0.0710 [0.0972]	-0.2891 [0.0908]	-0.0269 [0.0897]	-0.3650 [0.0943]
Amazonia region dummy	-0.2391 [0.1152]	-0.0704 [0.1595]	-0.3981 [0.1677]	-0.5174 [0.2147]	-0.2037 [0.1419]	-0.0100 [0.1692]	-0.5212 [0.1632]
Death, illness, accident	0.0232 [0.0433]	0.0423 [0.0597]	-0.0052 [0.0634]	-0.0578 [0.0733]	0.0893 [0.0552]	0.0308 [0.0644]	0.0244 [0.0603]
Drought	0.2316 [0.0487]	0.1997 [0.0660]	0.2682 [0.0730]	0.0723 [0.1657]	0.2332 [0.0522]	0.0657 [0.0865]	0.2944 [0.0600]
Period of frost	0.2347 [0.0532]	0.1621 [0.0732]	0.3187 [0.0781]	0.2302 [0.1818]	0.2516 [0.0576]	0.2861 [0.0922]	0.2033 [0.0675]
Plagues	0.0618 [0.0489]	0.0875 [0.0660]	0.0390 [0.0738]	0.0282 [0.1821]	0.0415 [0.0513]	0.0576 [0.0927]	0.0578 [0.0583]
Constant	-6.5698 [1.0090]	-8.1800 [1.4118]	-4.7023 [1.4555]	-5.8070 [1.9272]	-7.8055 [1.2487]	-7.1623 [1.5926]	-6.4015 [1.3594]
Observations	8600	4466	4134	4199	4401	4384	4200

Note: Standard errors in brackets.

Table A-14 Determinants of public and private school enrolment amongst children age 10 to 17 (Multinomial logit)

	(1) All public	(2) All private	(3) Male public	(4) Male private	(5) Female public	(6) Female private	(7) Urban public
Monthly per capita remittances	0.0090 [0.0051]	0.0196 [0.0059]	0.0060 [0.0070]	0.0187* [0.0082]	0.0122 [0.0074]	0.0208* [0.0086]	-0.0051 [0.0072]
Age	-2.4898 [0.2570]	-2.3203 [0.3051]	-2.3972 [0.3723]	-2.2038 [0.4365]	-2.6315 [0.3610]	-2.4703 [0.4330]	-1.3167 [0.4401]
Age squared	0.0702 [0.0091]	0.0654 [0.0109]	0.0659 [0.0131]	0.0606 [0.0156]	0.0761 [0.0128]	0.0712 [0.0155]	0.0295 [0.0154]
Female	-0.1429* [0.0677]	-0.2372 [0.0879]					0.0209 [0.1163]
Female household head	-0.3015* [0.1249]	-0.6254 [0.1705]	-0.3714* [0.1765]	-0.9483 [0.2496]	-0.2355 [0.1789]	-0.3262 [0.2377]	-0.2335 [0.1727]
Head of household is married	0.2447 [0.0848]	0.4375 [0.1105]	0.1531 [0.1174]	0.3192* [0.1520]	0.3270 [0.1245]	0.5683 [0.1626]	0.4478 [0.1376]
Highest educated female: primary	0.3773 [0.1120]	0.3229 [0.1985]	0.4473 [0.1590]	0.2024 [0.2682]	0.3036 [0.1600]	0.4699 [0.3005]	0.8715 [0.2731]
Highest educated female: secondary	1.0310 [0.1336]	1.0539 [0.2140]	1.1161 [0.1890]	0.9589 [0.2897]	0.9631 [0.1913]	1.1934 [0.3229]	1.3050 [0.2790]
Highest educated female: higher	1.1248 [0.1957]	1.7219 [0.2583]	1.2296 [0.2883]	1.8460 [0.3626]	1.0477 [0.2708]	1.6541 [0.3780]	1.5528 [0.3200]
Highest educated male: primary	-0.1127 [0.1497]	-0.6286 [0.2363]	0.0509 [0.2075]	-0.4219 [0.3353]	-0.3117 [0.2203]	-0.8480* [0.3391]	-0.1311 [0.4261]
Highest educated male: secondary	0.4712 [0.1620]	0.2783 [0.2454]	0.7987 [0.2262]	0.6223 [0.3490]	0.1133 [0.2368]	-0.0693 [0.3510]	0.2039 [0.4262]
Highest educated male: higher	0.8001 [0.2187]	1.1692 [0.2870]	1.4176 [0.3259]	1.6984 [0.4223]	0.2111 [0.3061]	0.6913 [0.4020]	0.3491 [0.4584]
Household size	-0.0718 [0.0147]	-0.1962 [0.0227]	-0.0717 [0.0202]	-0.1697 [0.0305]	-0.0745 [0.0216]	-0.2372 [0.0344]	-0.0797 [0.0280]
Home owner	0.0937 [0.0845]	0.1195 [0.1061]	0.0799 [0.1195]	-0.0253 [0.1475]	0.1224 [0.1203]	0.2939 [0.1542]	0.2146 [0.1308]
Dirt floor	-0.5015 [0.1019]	-0.7596 [0.1968]	-0.3364* [0.1456]	-0.7704 [0.2839]	-0.6729 [0.1453]	-0.7662 [0.2762]	-0.3988 [0.2561]

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Table A-14 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Access to water by public network	0.2035*	0.0931	0.1607	0.0148	0.2582*	0.1932	0.3378*
	[0.0873]	[0.1224]	[0.1241]	[0.1696]	[0.1246]	[0.1794]	[0.1571]
Access to electricity	0.3465	-0.1315	0.3401	0.0667	0.4039*	-0.2721	0.0434
	[0.1247]	[0.2242]	[0.1737]	[0.3166]	[0.1810]	[0.3209]	[0.5977]
In-house toilet	0.3241	0.5239	0.4342	0.7265	0.1987	0.2614	0.2299
	[0.0844]	[0.1455]	[0.1170]	[0.2004]	[0.1236]	[0.2135]	[0.1994]
Telephone	0.5454	1.1285	0.6890	1.2064	0.4330	1.0842	0.5583
	[0.1168]	[0.1324]	[0.1728]	[0.1925]	[0.1615]	[0.1864]	[0.1551]
Rural area	-0.1746	-0.5910	0.0091	-0.4199*	-0.3535*	-0.7579	
	[0.0966]	[0.1262]	[0.1367]	[0.1760]	[0.1382]	[0.1835]	
Poverty headcount in province	-0.2400	-1.4340	-1.0631	-1.9316	0.6421	-0.7366	3.2979*
	[0.6519]	[0.8934]	[0.9375]	[1.2692]	[0.9199]	[1.2738]	[1.4059]
Unemployment rate in province	-2.8146*	-4.7242	-5.8434	-9.5951	0.1864	0.7788	2.1433
	[1.1934]	[1.6949]	[1.6891]	[2.3643]	[1.7134]	[2.4714]	[2.7309]
Fraction of rural population in province	0.7074	-0.8550	0.6304	-1.2685	0.8296	-0.3834	-0.2582
	[0.3828]	[0.4830]	[0.5408]	[0.6786]	[0.5507]	[0.6972]	[0.6265]
Average age in province	-0.0367	-0.1268	-0.1421	-0.2866	0.0669	0.0493	0.1626
	[0.0532]	[0.0764]	[0.0762]	[0.1074]	[0.0754]	[0.1106]	[0.1177]
Costa region dummy	0.1675	0.1509	-0.1928	-0.3877	0.5485	0.7482	0.0641
	[0.1379]	[0.1750]	[0.1943]	[0.2442]	[0.1986]	[0.2547]	[0.2337]
Amazonia region dummy	0.6236*	-0.3903	0.1840	-0.8679	1.0884	0.1100	0.9607
	[0.2568]	[0.3783]	[0.3584]	[0.5234]	[0.3733]	[0.5556]	[0.5465]
Constant	22.1592	24.2242	25.0642	28.5965	19.4909	19.2453	6.8088
	[2.4800]	[3.2376]	[3.5558]	[4.5708]	[3.5050]	[4.6475]	[5.0108]
Observations	8600	8600	4466	4466	4134	4134	4199

Note: Standard errors in brackets; reference group = not enrolled.

Table A-14 (continued)

	(8) Urban private	(9) Rural public	(10) Rural private	(11) Non-poor public	(12) Non-poor private	(13) Poor public	(14) Poor private
Monthly per capita remittances	0.0046	0.0244	0.0375	0.0001	0.0100	0.0122	0.0319
	[0.0078]	[0.0072]	[0.0098]	[0.0070]	[0.0076]	[0.0077]	[0.0119]
Age	-1.2167*	-3.0642	-2.8329	-2.0586	-2.1861	-2.6235	-1.6891
	[0.4737]	[0.3239]	[0.4605]	[0.5429]	[0.5660]	[0.3055]	[0.4948]
Age squared	0.0257	0.0899	0.0872	0.0542	0.0587	0.0745	0.0468
	[0.0167]	[0.0115]	[0.0166]	[0.0187]	[0.0196]	[0.0109]	[0.0180]
Female	-0.0974	-0.2406	-0.2936*	-0.1017	-0.2060	-0.1297	-0.1651
	[0.1308]	[0.0850]	[0.1388]	[0.1253]	[0.1368]	[0.0830]	[0.1517]
Female household head	-0.4950*	-0.3186	-0.7214*	-0.2528	-0.6055*	-0.3083	-0.3407
	[0.2126]	[0.1846]	[0.3168]	[0.2115]	[0.2451]	[0.1596]	[0.2736]
Head of household is married	0.7340	0.1327	-0.0905	0.2946*	0.4894	0.1985	0.2246
	[0.1572]	[0.1127]	[0.1811]	[0.1496]	[0.1666]	[0.1071]	[0.1866]
Highest educated female: primary	0.8490*	0.2583*	0.1781	0.9339	0.5896	0.1576	0.2354
	[0.3829]	[0.1253]	[0.2376]	[0.2519]	[0.3328]	[0.1269]	[0.2601]
Highest educated female: secondary	1.3860	1.0678	1.1382	1.3706	1.1564	0.8483	0.6934*
	[0.3850]	[0.1678]	[0.2779]	[0.2677]	[0.3433]	[0.1620]	[0.3048]
Highest educated female: higher	2.1861	1.0120	1.5444	1.4164	1.7530	1.1287	1.2338*
	[0.4158]	[0.3456]	[0.4330]	[0.3104]	[0.3775]	[0.3397]	[0.4815]
Highest educated male: primary	-1.2071*	-0.0981	-0.2908	0.2308	0.3343	-0.1542	-1.0515
	[0.4876]	[0.1631]	[0.2940]	[0.3489]	[0.4636]	[0.1687]	[0.2796]
Highest educated male: secondary	-0.5558	0.6846	0.9455	0.7528*	1.0846*	0.3861*	-0.2409
	[0.4850]	[0.1875]	[0.3165]	[0.3598]	[0.4704]	[0.1868]	[0.3015]
Highest educated male: higher	0.2245	1.5696	1.9931	0.7236	1.5962	1.8760	1.4724*
	[0.5134]	[0.3672]	[0.4619]	[0.3838]	[0.4888]	[0.5582]	[0.6588]
Household size	-0.2120	-0.0655	-0.1880	-0.1045	-0.2158	-0.0153	-0.0268
	[0.0345]	[0.0176]	[0.0342]	[0.0384]	[0.0436]	[0.0177]	[0.0326]
Home owner	0.2627	0.0047	0.0091	0.3112*	0.2909	-0.0549	0.1849
	[0.1472]	[0.1158]	[0.1829]	[0.1467]	[0.1591]	[0.1064]	[0.1963]
Dirt floor	-0.4223	-0.4267	-0.7552	-0.5831*	-0.5697	-0.3747	-0.5847*
	[0.3819]	[0.1171]	[0.2428]	[0.2785]	[0.3708]	[0.1132]	[0.2546]

(Continued on next page...)

Table A-14 (continued)

	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Access to water by public network	0.2520 [0.1946]	0.2066 [0.1100]	0.0496 [0.1727]	0.2586 [0.1725]	0.1035 [0.1976]	0.1401 [0.1039]	0.0688 [0.1891]
Access to electricity	0.4215 [1.1850]	0.3625 [0.1334]	-0.0423 [0.2404]	0.1869 [0.4239]	-0.3927 [0.5486]	0.3485 [0.1345]	-0.0603 [0.2667]
In-house toilet	1.1620 [0.3254]	0.3213 [0.0953]	0.2363 [0.1709]	0.6592 [0.2106]	0.7427 [0.2731]	0.1793 [0.0939]	0.4123* [0.1867]
Telephone	1.1795 [0.1689]	0.5888 [0.1905]	0.9119 [0.2380]	0.3631* [0.1571]	0.8982 [0.1694]	0.4721* [0.2045]	0.4365 [0.3085]
Rural area				-0.0195 [0.1717]	-0.4333* [0.1931]	-0.1703 [0.1238]	-0.4565* [0.2110]
Poverty headcount in province	3.2976* [1.5674]	-0.8199 [0.7841]	-5.0096 [1.3729]	0.9323 [1.3095]	0.0184 [1.4516]	0.0548 [0.7974]	0.3598 [1.6419]
Unemployment rate in province	2.1472 [3.0860]	-4.1185 [1.3999]	-9.9422 [2.4938]	-2.4793 [2.3171]	-3.0116 [2.6417]	-2.2890 [1.4468]	-8.8448 [3.1907]
Fraction of rural population in province	-2.0286 [0.7047]	1.0040 [0.5160]	-0.1897 [0.7903]	0.4369 [0.6648]	-1.0979 [0.7217]	0.6715 [0.4937]	-1.9299* [0.9303]
Average age in province	0.1830 [0.1339]	-0.0323 [0.0635]	-0.3633 [0.1195]	-0.1131 [0.1047]	-0.1526 [0.1203]	0.0425 [0.0647]	-0.0960 [0.1369]
Costa region dummy	0.2267 [0.2624]	0.3252 [0.1881]	-0.2698 [0.2913]	-0.1201 [0.2350]	-0.0959 [0.2582]	0.3362 [0.1785]	0.2598 [0.3295]
Amazonia region dummy	0.4405 [0.6366]	0.7978* [0.3099]	-1.2536* [0.5974]	-0.3837 [0.4481]	-1.4509 [0.5445]	1.1189 [0.3211]	0.3908 [0.6732]
Constant	4.7422 [5.6434]	26.2507 [3.0359]	35.2123 [4.9590]	20.7002 [5.1627]	23.4063 [5.6188]	20.6193 [2.9501]	17.4065 [5.5611]
Observations	4199	4401	4401	4384	4384	4200	4200

Note: Standard errors in brackets; reference group = not enrolled.

Table A-15 Determinants of school enrolment amongst children age 10 to 17, by type of shock experienced (IV probit)

	(1) No individual shock	(2) Individual shock	(3) No drought	(4) Drought	(5) No period of frost	(6) Period of frost	(7) No plagues	(8) Plagues	(9) No aggregate shock	(10) Aggregate shock
Per capita remittances	0.0029 [0.0031]	0.0154 [0.0071]	0.0044 [0.0030]	0.0193 [0.0080]	0.0060 [0.0031]	0.0144 [0.0067]	0.0048 [0.0028]	0.0293 [0.0128]	0.0039 [0.0032]	0.0180 [0.0063]
Age	-1.2926 [0.1460]	-0.6257 [0.3199]	-1.0016 [0.1542]	-1.6618 [0.2605]	-1.0060 [0.1455]	-2.0185 [0.3309]	-0.9839 [0.1501]	-1.8787 [0.2867]	-0.9570 [0.1667]	-1.5741 [0.2199]
Age squared	0.0360 [0.0052]	0.0120 [0.0115]	0.0260 [0.0055]	0.0479 [0.0093]	0.0262 [0.0052]	0.0595 [0.0117]	0.0255 [0.0054]	0.0548 [0.0102]	0.0247 [0.0059]	0.0447 [0.0079]
Female	-0.1122 [0.0414]	-0.0249 [0.0957]	-0.0741 [0.0445]	-0.1590 [0.0733]	-0.0570 [0.0423]	-0.2935 [0.0880]	-0.0689 [0.0435]	-0.1852 [0.0786]	-0.0695 [0.0478]	-0.1485 [0.0631]
Female household head	-0.1531 [0.0775]	-0.3739 [0.1737]	-0.1675 [0.0778]	-0.2398 [0.1671]	-0.2050 [0.0757]	-0.1190 [0.1895]	-0.1717 [0.0763]	-0.2012 [0.1793]	-0.2106 [0.0818]	-0.1301 [0.1365]
Head of household is married	0.2010 [0.0515]	-0.0248 [0.1282]	0.1795 [0.0532]	0.0926 [0.1092]	0.1663 [0.0502]	0.1388 [0.1434]	0.1810 [0.0527]	0.0999 [0.1136]	0.1999 [0.0562]	0.0911 [0.0906]
Highest educated female: primary	0.2291 [0.0699]	0.2349 [0.1800]	0.1889 [0.0862]	0.2643 [0.1019]	0.2516 [0.0793]	0.1890 [0.1176]	0.2225 [0.0829]	0.2358 [0.1087]	0.2766 [0.0979]	0.1802 [0.0886]
Highest educated female: secondary	0.5932 [0.0828]	0.5594 [0.1972]	0.4995 [0.0954]	0.8739 [0.1454]	0.5466 [0.0887]	1.0007 [0.1772]	0.5394 [0.0925]	0.8394 [0.1525]	0.5541 [0.1057]	0.8166 [0.1263]
Highest educated female: higher	0.6508 [0.1123]	0.9311 [0.2795]	0.6718 [0.1220]	0.4816 [0.2409]	0.6980 [0.1163]	0.6597 [0.2632]	0.6742 [0.1172]	0.5603 [0.3081]	0.7151 [0.1302]	0.5876 [0.2215]
Highest educated male: primary	-0.1557 [0.0948]	0.2204 [0.2033]	-0.1284 [0.1170]	-0.0680 [0.1294]	-0.0403 [0.1087]	-0.1451 [0.1446]	-0.1273 [0.1130]	-0.0184 [0.1374]	-0.2263 [0.1365]	-0.0052 [0.1135]
Highest educated male: secondary	0.2087 [0.1019]	0.4372 [0.2181]	0.2168 [0.1219]	0.3457 [0.1534]	0.2898 [0.1134]	0.3481 [0.1776]	0.2209 [0.1176]	0.3796 [0.1656]	0.1044 [0.1404]	0.4346 [0.1338]
Highest educated male: higher	0.4687 [0.1291]	0.6835 [0.2852]	0.4797 [0.1443]	0.4690 [0.2545]	0.5295 [0.1364]	0.7843 [0.2984]	0.4824 [0.1399]	0.4760 [0.2856]	0.3477 [0.1606]	0.7515 [0.2334]
Household size	-0.0509 [0.0092]	-0.0265 [0.0208]	-0.0449 [0.0099]	-0.0540 [0.0160]	-0.0398 [0.0095]	-0.0754 [0.0189]	-0.0448 [0.0100]	-0.0548 [0.0160]	-0.0488 [0.0109]	-0.0489 [0.0133]
Home owner	0.0666 [0.0516]	-0.0093 [0.1198]	0.1188 [0.0516]	-0.1997 [0.1212]	0.0568 [0.0503]	0.2083 [0.1397]	0.0768 [0.0510]	-0.0099 [0.1299]	0.0985 [0.0539]	-0.0254 [0.1003]
Dirt floor	-0.2613 [0.0666]	-0.4854 [0.1442]	-0.3330 [0.0794]	-0.1764 [0.0954]	-0.3856 [0.0769]	-0.1514 [0.1015]	-0.3407 [0.0744]	-0.1295 [0.1063]	-0.3888 [0.0906]	-0.1316 [0.0829]
Access to water by public network	0.0965 [0.0546]	0.1416 [0.1248]	0.0802 [0.0580]	0.2094 [0.1017]	0.0906 [0.0559]	0.2467 [0.1160]	0.1381 [0.0555]	0.0008 [0.1191]	0.0868 [0.0619]	0.1767 [0.0884]
Access to electricity	0.2082 [0.0777]	0.0072 [0.1933]	0.1381 [0.0910]	0.3175 [0.1183]	0.1908 [0.0781]	0.1711 [0.1822]	0.1851 [0.0905]	0.2601 [0.1224]	0.1379 [0.1032]	0.2761 [0.1027]
In-house toilet	0.1865 [0.0529]	0.2851 [0.1277]	0.2248 [0.0603]	0.1391 [0.0833]	0.2030 [0.0563]	0.1415 [0.0996]	0.2008 [0.0588]	0.1532 [0.0881]	0.1912 [0.0682]	0.1936 [0.0705]
Telephone phone	0.3697 [0.0677]	0.4129 [0.1629]	0.3439 [0.0672]	0.4934 [0.1693]	0.3738 [0.0670]	0.2559 [0.1764]	0.3420 [0.0658]	0.6139 [0.1989]	0.3506 [0.0694]	0.3485 [0.1488]

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Table A-15 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Rural area	-0.1607 [0.0611]	0.0143 [0.1403]	-0.1066 [0.0604]	-0.4246 [0.2021]	-0.0901 [0.0593]	-0.3441 [0.2078]	-0.0608 [0.0593]	-0.7100 [0.2327]	-0.0864 [0.0631]	-0.4655 [0.1653]
Poverty headcount	-0.4089 [0.4144]	0.8982 [0.9033]	0.0259 [0.4466]	-0.7520 [0.7089]	0.0798 [0.4371]	-1.1392 [0.7679]	0.2270 [0.4276]	-1.1424 [0.8053]	0.3696 [0.4893]	-0.9083 [0.6028]
Unemployment rate	-1.5094 [0.7699]	-1.3062 [1.5543]	-1.2333 [0.8195]	-2.9293 [1.3993]	-0.3462 [0.7889]	-5.7436 [1.6024]	-0.7082 [0.7982]	-4.0860 [1.4458]	-0.2274 [0.9247]	-3.6086 [1.1004]
Rural population	0.3590 [0.2353]	-0.0153 [0.5482]	0.1512 [0.2454]	0.7314 [0.5187]	0.2464 [0.2395]	-0.0836 [0.6050]	0.0452 [0.2413]	1.0299 [0.5095]	0.0817 [0.2644]	0.6751 [0.4107]
Average age district	-0.0124 [0.0333]	-0.0709 [0.0731]	-0.0059 [0.0332]	-0.0680 [0.0798]	0.0043 [0.0327]	-0.1386 [0.0937]	-0.0061 [0.0336]	-0.0646 [0.0704]	0.0154 [0.0365]	-0.0712 [0.0584]
Costa	0.1233 [0.0840]	-0.0657 [0.2023]	0.0499 [0.0843]	0.2768 [0.2201]	0.1394 [0.0820]	-0.2399 [0.2828]	0.0866 [0.0847]	0.2209 [0.2015]	0.0782 [0.0902]	0.2415 [0.1677]
Amazonia	0.3493 [0.1604]	-0.0718 [0.3745]	0.2914 [0.1603]	0.6106 [0.5363]	0.4019 [0.1588]	-0.4225 [0.7281]	0.2682 [0.1656]	0.7617 [0.3458]	0.2901 [0.1763]	0.7768 [0.3041]
Death, illness, accident			0.0103 [0.0622]	-0.0921 [0.0988]	0.0080 [0.0588]	-0.0140 [0.1205]	-0.0241 [0.0607]	0.0048 [0.1068]	-0.0317 [0.0671]	-0.0315 [0.0855]
Drought	0.0339 [0.0631]	-0.1297 [0.1527]			-0.0330 [0.0700]	0.1011 [0.1075]	0.0573 [0.0749]	0.0026 [0.0991]		0.1052 [0.0765]
Period of frost	-0.0553 [0.0705]	-0.0555 [0.1544]	-0.2286 [0.0964]	0.0886 [0.0908]			-0.2041 [0.0874]	0.0664 [0.1013]		0.0012 [0.0785]
Plagues	0.0300 [0.0629]	0.1403 [0.1470]	0.0780 [0.0845]	0.0276 [0.0829]	-0.0311 [0.0712]	0.1723 [0.1053]				0.0770 [0.0713]
Constant	11.7658 [1.4781]	8.2059 [3.1508]	9.4035 [1.5136]	16.4064 [3.1724]	8.7690 [1.4578]	21.8302 [3.7879]	9.0620 [1.5004]	18.2646 [3.0166]	8.3217 [1.6559]	15.8148 [2.4123]
Observations	7253	1347	6664	1936	7168	1432	6870	1730	5996	2604

Note: Standard errors in brackets.

Table A-16 Determinants of non-domestic work incidence amongst children age 10 to 17, by type of shock experienced (IV probit)

	(1) No individual shock	(2) Individual shock	(3) No drought	(4) Drought	(5) No period of frost	(6) Period of frost	(7) No plagues	(8) Plagues	(9) No aggregate shock	(10) Aggregate shock
Per capita remittances	-0.0030 [0.0024]	-0.0010 [0.0043]	-0.0033 [0.0022]	-0.0004 [0.0056]	-0.0027 [0.0024]	-0.0062 [0.0045]	-0.0013 [0.0022]	-0.0082 [0.0098]	-0.0030 [0.0024]	-0.0034 [0.0046]
Age	0.8388 [0.1044]	1.3330 [0.2427]	0.9643 [0.1135]	0.9738 [0.1888]	0.9298 [0.1076]	1.0059 [0.2199]	0.9162 [0.1103]	1.0053 [0.2011]	0.9065 [0.1216]	1.0964 [0.1620]
Age squared	-0.0236 [0.0038]	-0.0425 [0.0089]	-0.0277 [0.0041]	-0.0304 [0.0070]	-0.0267 [0.0039]	-0.0314 [0.0082]	-0.0263 [0.0040]	-0.0306 [0.0075]	-0.0255 [0.0044]	-0.0345 [0.0060]
Female	-0.3890 [0.0344]	-0.3357 [0.0794]	-0.3887 [0.0365]	-0.3806 [0.0638]	-0.4220 [0.0349]	-0.2239 [0.0754]	-0.3574 [0.0356]	-0.4582 [0.0687]	-0.3408 [0.0387]	-0.4759 [0.0552]
Female household head	-0.0198 [0.0680]	0.0636 [0.1440]	0.0140 [0.0675]	-0.1584 [0.1493]	0.0075 [0.0659]	-0.1801 [0.1731]	0.0336 [0.0660]	-0.3827 [0.1642]	0.0380 [0.0713]	-0.1893 [0.1215]
Head of household is married	0.0585 [0.0430]	-0.0624 [0.1029]	0.0530 [0.0443]	-0.1050 [0.0936]	0.0426 [0.0419]	-0.0850 [0.1271]	0.1001 [0.0437]	-0.3379 [0.0994]	0.0816 [0.0465]	-0.1425 [0.0791]
Highest educated female: primary	-0.2230 [0.0683]	-0.1531 [0.1696]	-0.2280 [0.0817]	-0.1876 [0.1002]	-0.1836 [0.0756]	-0.2546 [0.1165]	-0.1376 [0.0793]	-0.3490 [0.1079]	-0.1869 [0.0926]	-0.2114 [0.0873]
Highest educated female: secondary	-0.2824 [0.0758]	-0.3304 [0.1782]	-0.3224 [0.0870]	-0.1332 [0.1250]	-0.3035 [0.0813]	-0.0876 [0.1487]	-0.2511 [0.0849]	-0.1844 [0.1336]	-0.3002 [0.0972]	-0.1479 [0.1081]
Highest educated female: higher	-0.5619 [0.0919]	-0.7469 [0.2214]	-0.5680 [0.1007]	-0.8364 [0.1984]	-0.5608 [0.0958]	-0.7974 [0.2129]	-0.5153 [0.0981]	-1.0371 [0.2343]	-0.5407 [0.1098]	-0.8273 [0.1744]
Highest educated male: primary	-0.0459 [0.0916]	-0.2099 [0.1996]	-0.0970 [0.1090]	-0.0091 [0.1281]	-0.1285 [0.1036]	0.0749 [0.1398]	-0.0645 [0.1061]	-0.0171 [0.1359]	-0.1288 [0.1218]	0.0048 [0.1136]
Highest educated male: secondary	-0.2306 [0.0960]	-0.2179 [0.2079]	-0.3012 [0.1120]	-0.0226 [0.1431]	-0.3091 [0.1066]	0.0349 [0.1601]	-0.2742 [0.1089]	0.0471 [0.1540]	-0.3373 [0.1243]	-0.0265 [0.1257]
Highest educated male: higher	-0.4524 [0.1082]	-0.2712 [0.2392]	-0.4891 [0.1222]	-0.3256 [0.1982]	-0.4912 [0.1170]	-0.3233 [0.2197]	-0.4649 [0.1190]	-0.1308 [0.2251]	-0.5252 [0.1341]	-0.3230 [0.1724]
Household size	0.0347 [0.0081]	0.0443 [0.0177]	0.0419 [0.0086]	0.0221 [0.0146]	0.0383 [0.0082]	0.0266 [0.0172]	0.0396 [0.0085]	0.0302 [0.0148]	0.0420 [0.0093]	0.0260 [0.0122]
Home owner	0.1118 [0.0421]	0.0907 [0.0979]	0.1273 [0.0426]	0.0333 [0.0961]	0.0830 [0.0410]	0.3247 [0.1178]	0.0911 [0.0417]	0.2246 [0.1051]	0.0877 [0.0440]	0.1572 [0.0828]
Dirt floor	0.2426 [0.0622]	0.2160 [0.1375]	0.2268 [0.0750]	0.1803 [0.0898]	0.1696 [0.0723]	0.2919 [0.0947]	0.2132 [0.0705]	0.2101 [0.0984]	0.1577 [0.0851]	0.2440 [0.0788]
Access to water by public network	-0.1676 [0.0456]	-0.0018 [0.1057]	-0.0927 [0.0489]	-0.2052 [0.0833]	-0.1022 [0.0468]	-0.1611 [0.0965]	-0.1143 [0.0468]	-0.0794 [0.0983]	-0.0791 [0.0520]	-0.1338 [0.0739]
Access to electricity	-0.3936 [0.0722]	-0.3929 [0.1792]	-0.4118 [0.0815]	-0.3720 [0.1173]	-0.4415 [0.0718]	-0.1998 [0.1822]	-0.4638 [0.0832]	-0.2633 [0.1141]	-0.4290 [0.0926]	-0.3796 [0.0986]
In-house toilet	-0.0027 [0.0477]	-0.1708 [0.1142]	-0.0302 [0.0541]	0.0391 [0.0762]	-0.0052 [0.0505]	-0.0313 [0.0906]	-0.0523 [0.0529]	0.0506 [0.0802]	-0.0549 [0.0605]	0.0126 [0.0645]
Telephone phone	-0.1681 [0.0496]	-0.2367 [0.1196]	-0.1187 [0.0499]	-0.5132 [0.1175]	-0.1309 [0.0491]	-0.4085 [0.1335]	-0.1334 [0.0488]	-0.6652 [0.1349]	-0.1115 [0.0513]	-0.4357 [0.1104]

(Continued on next page...)

Table A-16 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Rural area	0.2027 [0.0486]	0.6207 [0.1081]	0.2435 [0.0486]	0.4653 [0.1315]	0.2574 [0.0473]	0.3791 [0.1447]	0.2393 [0.0472]	0.5900 [0.1547]	0.2329 [0.0505]	0.5228 [0.1109]
Poverty headcount	-0.6829 [0.3398]	-2.5229 [0.7416]	-1.5516 [0.3582]	0.3646 [0.6231]	-1.3984 [0.3520]	-0.4625 [0.6596]	-1.2383 [0.3449]	-0.1174 [0.7029]	-1.3388 [0.3855]	-0.7124 [0.5263]
Unemployment rate	-0.8174 [0.6064]	-3.8959 [1.2587]	-1.7623 [0.6342]	-1.0795 [1.2088]	-1.3447 [0.6120]	-3.3067 [1.3878]	-1.3220 [0.6208]	-2.1796 [1.2162]	-1.0094 [0.6939]	-2.4307 [0.9435]
Rural population	0.8186 [0.1927]	1.3678 [0.4484]	1.0427 [0.1981]	0.1453 [0.4389]	1.1412 [0.1939]	-0.2921 [0.5032]	1.0342 [0.1957]	0.1302 [0.4296]	1.0411 [0.2113]	0.5379 [0.3484]
Average age district	-0.0355 [0.0263]	-0.1194 [0.0560]	-0.0608 [0.0258]	-0.0720 [0.0672]	-0.0472 [0.0253]	-0.2124 [0.0785]	-0.0475 [0.0262]	-0.0899 [0.0566]	-0.0430 [0.0279]	-0.1077 [0.0477]
Costa	-0.1193 [0.0678]	-0.1541 [0.1637]	-0.0440 [0.0675]	-0.6192 [0.1842]	-0.0577 [0.0656]	-0.5472 [0.2391]	-0.0563 [0.0676]	-0.6023 [0.1684]	0.0062 [0.0711]	-0.5534 [0.1418]
Amazonia	-0.2419 [0.1256]	-0.6621 [0.2819]	-0.1922 [0.1226]	-1.4113 [0.4265]	-0.2162 [0.1204]	-2.0092 [0.7023]	-0.2431 [0.1264]	-0.7368 [0.2782]	-0.1066 [0.1320]	-0.9856 [0.2468]
Death, illness, accident			0.0800 [0.0501]	-0.0137 [0.0865]	0.0422 [0.0479]	0.0933 [0.1033]	0.0755 [0.0491]	-0.0592 [0.0926]	0.0772 [0.0536]	0.0184 [0.0743]
Drought	0.3047 [0.0547]	0.0849 [0.1314]			0.4134 [0.0610]	-0.0767 [0.0943]	0.3263 [0.0643]	0.0675 [0.0867]		0.0691 [0.0671]
Period of frost	0.2474 [0.0613]	0.2587 [0.1310]	0.5420 [0.0865]	0.1092 [0.0790]			0.2714 [0.0769]	0.3075 [0.0884]		0.1520 [0.0681]
Plagues	0.1048 [0.0553]	-0.0577 [0.1281]	0.1212 [0.0748]	0.0001 [0.0721]	0.0565 [0.0631]	0.0504 [0.0919]				-0.0339 [0.0624]
Constant	-5.7050 [1.1018]	-5.6693 [2.3773]	-5.6672 [1.1346]	-4.8343 [2.4899]	-5.8214 [1.0962]	-0.7127 [2.8544]	-5.8198 [1.1279]	-4.7112 [2.2304]	-5.9668 [1.2269]	-4.5525 [1.8570]
Observations	7253	1347	6664	1936	7168	1432	6870	1730	5996	2604

Note: Standard errors in brackets.

Table A-17 Determinants of domestic work incidence amongst children age 10 to 17, by type of shock experienced (IV probit)

	(1) No individual shock	(2) Individual shock	(3) No drought	(4) Drought	(5) No period of frost	(6) Period of frost	(7) No plagues	(8) Plagues	(9) No aggregate shock	(10) Aggregate shock
Per capita remittances	0.0011 [0.0025]	-0.0002 [0.0045]	0.0015 [0.0023]	0.0030 [0.0056]	0.0025 [0.0024]	-0.0057 [0.0044]	0.0023 [0.0022]	-0.0052 [0.0096]	0.0016 [0.0025]	-0.0003 [0.0045]
Age	0.8781 [0.1073]	1.2396 [0.2456]	0.9480 [0.1189]	1.0630 [0.1817]	0.9033 [0.1122]	1.2062 [0.2096]	0.9098 [0.1155]	1.1371 [0.1916]	0.8779 [0.1292]	1.1692 [0.1557]
Age squared	-0.0270 [0.0039]	-0.0408 [0.0090]	-0.0290 [0.0043]	-0.0353 [0.0067]	-0.0275 [0.0041]	-0.0407 [0.0077]	-0.0279 [0.0042]	-0.0377 [0.0071]	-0.0261 [0.0047]	-0.0392 [0.0058]
Female	0.1332 [0.0349]	0.1150 [0.0794]	0.0817 [0.0378]	0.2456 [0.0607]	0.0737 [0.0359]	0.3209 [0.0712]	0.1031 [0.0368]	0.2364 [0.0651]	0.0813 [0.0406]	0.2078 [0.0524]
Female household head	-0.0241 [0.0702]	0.0466 [0.1481]	-0.0229 [0.0707]	-0.0816 [0.1448]	-0.0089 [0.0686]	-0.1017 [0.1662]	0.0057 [0.0689]	-0.2114 [0.1575]	-0.0112 [0.0754]	-0.0811 [0.1179]
Head of household is married	0.0345 [0.0442]	-0.0364 [0.1040]	0.0276 [0.0460]	-0.0533 [0.0898]	0.0255 [0.0432]	0.0164 [0.1202]	0.0679 [0.0455]	-0.1929 [0.0937]	0.0672 [0.0488]	-0.0982 [0.0757]
Highest educated female: primary	-0.2133 [0.0650]	0.0445 [0.1672]	-0.1447 [0.0807]	-0.2111 [0.0919]	-0.1235 [0.0744]	-0.2402 [0.1044]	-0.1218 [0.0785]	-0.2500 [0.0965]	-0.1622 [0.0936]	-0.1745 [0.0795]
Highest educated female: secondary	-0.2882 [0.0736]	-0.0138 [0.1781]	-0.2212 [0.0869]	-0.2181 [0.1175]	-0.2316 [0.0809]	-0.1264 [0.1368]	-0.1841 [0.0850]	-0.3050 [0.1217]	-0.2246 [0.0989]	-0.2307 [0.1010]
Highest educated female: higher	-0.5588 [0.0928]	-0.3892 [0.2232]	-0.4718 [0.1029]	-0.7705 [0.1954]	-0.4736 [0.0979]	-0.8066 [0.2089]	-0.4438 [0.1002]	-1.0126 [0.2315]	-0.4728 [0.1135]	-0.7736 [0.1717]
Highest educated male: primary	0.0318 [0.0867]	-0.3194 [0.1870]	-0.1584 [0.1069]	0.1259 [0.1156]	-0.0786 [0.1008]	0.0668 [0.1266]	-0.0586 [0.1044]	0.0427 [0.1205]	-0.2077 [0.1217]	0.0856 [0.1025]
Highest educated male: secondary	-0.0697 [0.0918]	-0.2617 [0.1967]	-0.2662 [0.1104]	0.1445 [0.1313]	-0.1792 [0.1042]	0.1096 [0.1476]	-0.1915 [0.1077]	0.1503 [0.1386]	-0.3291 [0.1245]	0.1018 [0.1152]
Highest educated male: higher	-0.2818 [0.1063]	-0.2327 [0.2301]	-0.4536 [0.1222]	-0.0142 [0.1900]	-0.3497 [0.1164]	-0.1029 [0.2098]	-0.3719 [0.1193]	0.0446 [0.2101]	-0.5211 [0.1358]	-0.0441 [0.1637]
Household size	0.0142 [0.0082]	0.0223 [0.0173]	0.0227 [0.0088]	-0.0026 [0.0137]	0.0182 [0.0084]	0.0114 [0.0155]	0.0212 [0.0088]	0.0038 [0.0135]	0.0200 [0.0098]	0.0071 [0.0113]
Home owner	0.1124 [0.0440]	-0.0146 [0.0990]	0.1235 [0.0450]	-0.0103 [0.0923]	0.0825 [0.0430]	0.1810 [0.1146]	0.0830 [0.0438]	0.1652 [0.1016]	0.0766 [0.0467]	0.1195 [0.0803]
Dirt floor	0.1729 [0.0599]	-0.0486 [0.1314]	0.1044 [0.0749]	0.1330 [0.0827]	0.0843 [0.0726]	0.1787 [0.0861]	0.1317 [0.0699]	0.0951 [0.0894]	0.0873 [0.0876]	0.1289 [0.0718]
Access to water by public network	-0.1481 [0.0467]	-0.0766 [0.1063]	-0.0763 [0.0509]	-0.2298 [0.0808]	-0.0864 [0.0486]	-0.1550 [0.0934]	-0.1184 [0.0484]	-0.1210 [0.0947]	-0.0758 [0.0548]	-0.1567 [0.0714]
Access to electricity	-0.2190 [0.0693]	-0.1152 [0.1695]	-0.2982 [0.0809]	-0.0903 [0.1049]	-0.2661 [0.0699]	0.0048 [0.1591]	-0.2383 [0.0818]	-0.1464 [0.1041]	-0.3074 [0.0931]	-0.1297 [0.0893]
In-house toilet	0.0475 [0.0475]	-0.0552 [0.1122]	0.0119 [0.0552]	0.0930 [0.0717]	0.0171 [0.0513]	0.0764 [0.0838]	-0.0040 [0.0539]	0.1040 [0.0746]	-0.0054 [0.0633]	0.0589 [0.0606]
Telephone phone	-0.1618 [0.0519]	-0.2180 [0.1233]	-0.1134 [0.0525]	-0.4678 [0.1174]	-0.1525 [0.0517]	-0.2155 [0.1312]	-0.1429 [0.0513]	-0.4082 [0.1326]	-0.1179 [0.0544]	-0.3040 [0.1088]

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Table A-17 (continued)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Rural area	0.1086 [0.0506]	0.4385 [0.1123]	0.1439 [0.0510]	0.2524 [0.1321]	0.1504 [0.0496]	0.1883 [0.1452]	0.1475 [0.0495]	0.2750 [0.1529]	0.1405 [0.0534]	0.2961 [0.1115]
Poverty headcount	-0.5842 [0.3406]	-2.3948 [0.7399]	-1.4173 [0.3671]	0.3393 [0.5866]	-1.3010 [0.3595]	-0.1531 [0.6231]	-1.2936 [0.3525]	0.5532 [0.6519]	-1.2749 [0.4009]	-0.3475 [0.4941]
Unemployment rate	-1.9526 [0.6075]	-3.3065 [1.2491]	-1.9141 [0.6406]	-3.8055 [1.1453]	-1.5530 [0.6157]	-6.0958 [1.3203]	-2.3062 [0.6301]	-1.7981 [1.1348]	-1.6865 [0.7170]	-3.1074 [0.8873]
Rural population	0.7261 [0.1981]	1.4709 [0.4572]	1.1462 [0.2073]	-0.5366 [0.4198]	1.2175 [0.2021]	-0.9959 [0.4758]	1.0679 [0.2044]	-0.0427 [0.4096]	1.0845 [0.2235]	0.2799 [0.3336]
Average age district	-0.0144 [0.0266]	-0.1124 [0.0579]	-0.0271 [0.0264]	-0.1047 [0.0648]	-0.0130 [0.0258]	-0.2163 [0.0745]	-0.0302 [0.0270]	-0.0294 [0.0536]	-0.0164 [0.0289]	-0.0747 [0.0455]
Costa	-0.1912 [0.0698]	-0.1898 [0.1692]	-0.0303 [0.0703]	-0.9384 [0.1778]	-0.0606 [0.0680]	-1.0000 [0.2296]	-0.0980 [0.0706]	-0.6537 [0.1611]	-0.0029 [0.0749]	-0.6748 [0.1360]
Amazonia	-0.1299 [0.1269]	-0.7685 [0.2941]	-0.1004 [0.1250]	-1.3218 [0.4195]	-0.0975 [0.1221]	-1.2807 [0.6280]	-0.2050 [0.1302]	-0.3976 [0.2630]	-0.0549 [0.1367]	-0.6539 [0.2350]
Death, illness, accident			0.0216 [0.0519]	0.0761 [0.0819]	0.0054 [0.0492]	0.2038 [0.0976]	0.0633 [0.0505]	-0.0778 [0.0868]	0.0243 [0.0564]	0.0383 [0.0702]
Drought	0.2418 [0.0535]	0.2598 [0.1280]			0.3503 [0.0599]	-0.0093 [0.0881]	0.2920 [0.0631]	0.1093 [0.0819]		0.1131 [0.0638]
Period of frost	0.2132 [0.0597]	0.2913 [0.1265]	0.4524 [0.0837]	0.0589 [0.0751]			0.2104 [0.0752]	0.2945 [0.0835]		0.1267 [0.0648]
Plagues	0.1054 [0.0537]	-0.1469 [0.1236]	0.0823 [0.0732]	-0.0148 [0.0688]	0.0241 [0.0619]	0.0294 [0.0865]				-0.0155 [0.0594]
Constant	-6.7434 [1.1208]	-5.8296 [2.4239]	-6.7915 [1.1727]	-4.2317 [2.3915]	-6.9918 [1.1269]	-1.7002 [2.7115]	-6.4557 [1.1681]	-7.7388 [2.1213]	-6.6314 [1.2874]	-6.3421 [1.7751]
Observations	7253	1347	6664	1936	7168	1432	6870	1730	5996	2604

Note: Standard errors in brackets.