## **Supplementary Materials**

## Supplementary Table S1. Full distribution of states

Main activity in recorded year	Code	Frequency	Percent
1 Full access, No school/work, No shocks	AMS	121	1.05
2 Full access, School/work, No shocks	ANS	1,158	11.09
3 Full access, Work, No shock	AOS	96	0.9
4 Full access, No school/work Family shock	AMT	64	0.54
5 Full access, School/work, Family shock	ANT	467	4.25
6 Full access, Work, Family shock	AOT	46	0.47
7 Full access, No school/work, Economic shock +/- family			
shock	AMU	21	0.18
8 Full access, School/work, Economic shock +/- family shock	ANU	148	1.23
9 Full access, Work, Economic shock +/- family shock	AOU	12	0.09
10 Some access, No school/work, No shocks	BMS	694	5.39
11 Some access, School/work, No shocks	BNS	4,476	36.16
12 Some access, Work, No shock	BOS	488	3.84
13 Some access, No school/work, Family shocks	BMT	369	2.91
14 Some access, School/work, Family shock	BNT	2,334	18.3
15 Some access, Work, Family shock	BOT	239	1.83
16 Some access, No school/work, Economic shock +/-			
family shock	BMU	62	0.46
17 Some access, School/work, Economic shock +/- family			
shock	BNU	554	4.2
18 Some access, Work, Family &/or economic shock	BOU	34	0.3
19 No access, No school/work, No shocks	CMS	155	1.17
20 No access, School/work, No shocks	CNS	294	2.44
21 No access, Work, No shock	COS	14	0.1
22 No access, No school/work, Family shock	CMT	90	0.67
23 No access, School/work, Family shock	CNT	259	1.96
24 No access, Work, Family shock	COT	9	0.07
25 No access, No school/work, Economic shock +/- family			
shock	CMU	17	0.13
26 No access, School/work, Economic shock +/- family shock	CNU	33	0.26
27 No access, Work, Economic shock +/- family shock	COU	2	0.01
Total		12,256	

Notes: Full(A)/Some(B)/No(C) access: Home has access to all/some/none of electricity, own toilet, piped drinking water, adequate fuels for cooking. No School/work (M); neither in school nor work. School/work (N); in school and not working or also working (states combined as very few observations in which child is in school and working (n=363)). Work (O); working only.

No shock (S); no family or economic shock suffered. Family shock (T); suffered family shock (divorce, separation, family death or illness) but not any economic shock; Economic shock +/- family shock (U); suffered economic shock (loss of employment or source of income or family enterprise) either with or without also suffering a family

shock (states combined as relatively few observations in which an economic shock is suffered without a family shock (n=501))

## Supplementary Table S2. Interpretation of DiD interaction effects in ordered logit HEALTH and WELLBEING estimates: Marginal effects at baseline and last round and difference-indifferences.

Cluster	HEALTH	HEALTH	Difference-in-	WELLBEING	WELLBEING	Difference-in-
	Baseline	Last	differences	Baseline	Last round	differences
		Round				
2	-0.0646	-0.0584	+0.0064	-0.0629	-0.0253	+0.041*
3	0.0131	-0.0673	-0.0804*	-0.0112	0.0004	+0.0211**
4	-0.0895	0.0150	+0.0823***	-0.0574	-0.0252	+0.0826**
5	-0.0520	-0.0419	+0.0101	-0.0457	-0.0229	+0.0686**
6	-0.0088	-0.0266	-0.0178	-0.0202	-0.0120	+0.0322**

Notes: Marginal/discrete effects of clusters calculates with as observed values of all the other covariates (average marginal effects) for the probability of reporting (1) good/very good health and (2) the mean level of wellbeing (5) relative to cluster 1. The difference-in-differences are the discrete changes between the marginal effects of each cluster at the baseline and last round A positive (negative) difference-in difference represents a more (less) positive marginal effect in the last round i.e. a narrowing (widening) difference/gap. A positive marginal effect in the last round indicates that the health/wellbeing gap has closed.

## Supplementary Table S3. Robustness test results for alternative health measure

		(1a) OLS	(1b) O. Logit
Independent variable	Dependent variable	HEALTH2 (β)	HEALTH2 $(e^{\beta})$
LAST_ROUND		0.00341	1.100
		(0.128)	(0.380)
Cluster 2 Early transition to adult states		-0.171***	$0.602^{***}$
		(0.0524)	(0.0857)
Cluster 3 Transitioning to better-off		-0.00353	1.000
		(0.0593)	(0.160)
Cluster 4 Poor-to-average & some instability		-0.176***	0.597***
		(0.0682)	(0.112)
Cluster 5 Average but unstable		-0.167***	$0.630^{***}$
		(0.0545)	(0.0944)
Cluster 6 Average & stable		-0.0821	$0.798^{*}$
		(0.0499)	(0.108)
LAST_ROUND*Cluster 2 Early transition to	o adult states	0.00764	1.061
		(0.0643)	(0.184)
LAST_ROUND*Cluster 3 Transitioning to b	etter-off	-0.102	0.726
		(0.0821)	(0.160)
LAST_ROUND*Cluster 4 Poor-to-average of	& some instability	$0.261^{***}$	2.041***

LAST_ROUND*Cluster 5 Average but unstable       0.126*       1.358*         LAST_ROUND*Cluster 6 Average & stable       0.0115       1.003         Female       -0.183****       0.620***         Female       (0.0199)       (0.0338)         Age (in months)       -0.0346       0.895         Guozeps       (0.0295)       (0.0717)         Education of household head       0.00568**       1.014*         Guozeps       (0.00268)       (0.00737)         Female household head       -0.0830***       0.796***         Age of household head       -0.006681       0.998         (0.000990)       (0.00271)         Rural location       -0.00164       1.029         (0.0290)       (0.0826)         India       -0.234***       0.415***         (0.0333)       (0.0331)       (0.0183)         Vietnam       -0.768***       0.0895**         Vietnam/Cutpoint 1       4.937***       -9.296         (0.0449)       (1.237)         Observations       5,149       5,149         F/LR Chi²       55.75***       1186.58***		(0.0809)	(0.453)
LAST_ROUND*Cluster 6 Average & stable       (0.0680)       (0.252)         LAST_ROUND*Cluster 6 Average & stable       0.0115       1.003         Female       -0.183****       0.620***         (0.0199)       (0.0338)         Age (in months)       -0.0346       0.895         (0.0295)       (0.0717)         Education of household head       (0.00268)       (0.00737)         Female household head       -0.0830***       0.796***         Age of household head       -0.00681       0.998         (0.0264)       (0.0579)         Age of household head       -0.00164       1.029         (0.0290)       (0.00271)         Rural location       -0.0164       1.029         (0.0290)       (0.0826)         India       -0.234***       0.415***         (0.0333)       (0.0333)       (0.0391)         Peru       -0.549***       0.166***         (0.0387)       (0.0183)         Vietnam       -0.768***       0.0895**         Constant/Cutpoint 1       4.937***       -9.296         (0.449)       (1.237)         Observations       5,149       5,149         F/LR Chi²       55.75***       1186.58***	LAST_ROUND*Cluster 5 Average but unstable	` '	` /
LAST_ROUND*Cluster 6 Average & stable       0.0115       1.003         Female       -0.183****       0.620***         (0.0199)       (0.0338)         Age (in months)       -0.0346       0.895         (0.0295)       (0.0717)         Education of household head       0.00568**       1.014*         (0.00268)       (0.00737)         Female household head       -0.0830***       0.796***         Age of household head       -0.000681       0.998         (0.00990)       (0.00271)         Rural location       -0.0164       1.029         (0.0290)       (0.0826)         India       -0.234***       0.415***         Peru       -0.549***       0.166***         Vietnam       -0.768***       0.0895***         Vietnam       -0.768***       0.0895***         Constant/Cutpoint 1       4.937***       -9.296         (0.449)       (1.237)         Observations       5,149       5,149         F/LR Chi²       55.75***       1186.58***		(0.0680)	
Female         -0.183***         0.620***           Age (in months)         (0.0199)         (0.0338)           Age (in months)         -0.0346         0.895           (0.0295)         (0.0717)           Education of household head         0.00568**         1.014*           (0.00268)         (0.00737)           Female household head         -0.0830****         0.796***           Age of household head         -0.000681         0.998           (0.000990)         (0.00271)         (0.00290)         (0.00271)           Rural location         -0.00164         1.029         (0.0826)           India         -0.234***         0.415***         0.0333)         (0.0391)           Peru         -0.549***         0.166***         0.0387)         (0.0183)           Vietnam         -0.768***         0.0895***         0.0895***           Constant/Cutpoint 1         4.937***         -9.296           (0.449)         (1.237)         0.056**           Observations         5,149         5,149           F/LR Chi²         55.75***         1186.58***	LAST_ROUND*Cluster 6 Average & stable	` /	, ,
Age (in months)       (0.0199)       (0.0338)         Age (in months)       -0.0346       0.895         (0.0295)       (0.0717)         Education of household head       0.00568**       1.014*         (0.00268)       (0.00737)         Female household head       -0.0830***       0.796***         Age of household head       -0.000681       0.998         (0.000990)       (0.00271)         Rural location       -0.00164       1.029         (0.0290)       (0.0826)         India       -0.234***       0.415***         Peru       -0.549***       0.166***         (0.0333)       (0.0391)         Vietnam       -0.768***       0.0895**         Constant/Cutpoint 1       4.937***       -9.296         (0.449)       (1.237)         Observations       5,149       5,149         F/LR Chi²       55.75***       1186.58***		(0.0616)	(0.166)
Age (in months)       -0.0346       0.895         (0.0295)       (0.0717)         Education of household head       0.00568**       1.014*         (0.00268)       (0.00737)         Female household head       -0.0830***       0.796***         (0.0264)       (0.0579)         Age of household head       -0.000681       0.998         (0.000990)       (0.00271)         Rural location       -0.00164       1.029         (0.0290)       (0.0826)         India       -0.234***       0.415***         Peru       -0.549***       0.166***         Vietnam       -0.768***       0.0895***         Constant/Cutpoint 1       4.937****       -9.296         (0.449)       (1.237)         Observations       5,149       5,149         R² / Pseudo R²       0.179       0.099         F/LR Chi²       55.75***       1186.58***	Female		
Education of household head $(0.0295)$ $0.00568^{**}$ $0.00568^{**}$ $0.00268)$ $0.00737)$ $(0.00268)$ $0.00737)$ $(0.00268)$ $0.00737)$ Female household head $-0.0830^{***}$ $0.0264)$ $0.0264)$ $0.00579)$ $0.0263$ $0.000990)$ $0.000271)$ Age of household head $-0.000681$ $0.000990)$ $0.000990)$ $0.000271)$ $0.000990$ $0.000271)$ Rural location $-0.00164$ $0.0290)$ $0.0290)$ $0.0826)$ India $-0.234^{****}$ $0.0333)$ $0.0391)$ Peru $-0.549^{****}$ $0.166^{****}$ $0.0387)$ $0.0183)$ Vietnam $-0.768^{****}$ $0.0395^{****}$ $0.0395^{****}$ $0.0395^{****}$ $0.0395^{*****}$ $0.0395^{******}$ $0.0395^{*******}$ $0.0395^{************************************$		(0.0199)	(0.0338)
Education of household head $0.00568^*$ $(0.00268)$ $(0.00737)$ $1.014^*$ $(0.00268)$ $(0.00737)$ Female household head $-0.0830^{***}$ $(0.0264)$ $(0.0264)$ $(0.0579)$ $0.796^{***}$ $(0.00681)$ $(0.00990)$ $(0.00271)$ Age of household head $-0.000681$ $(0.00990)$ $(0.00271)$ $0.00271$ $(0.0290)$ $(0.0290)$ $(0.0290)$ $(0.0826)$ India $-0.234^{***}$ $(0.0333)$ $(0.0391)$ $0.0391$ $(0.0387)$ $(0.0183)$ Vietnam $-0.768^{***}$ $(0.0319)$ $(0.00859)$ $0.00859$ $(0.0449)$ $(1.237)$ Observations $5,149$ $(0.179)$ $(0.099)$ $5/LR Chi^2$ $0.179$ $(0.099)$ $1.86.58***$	Age (in months)	-0.0346	0.895
Female household head       (0.00268)       (0.00737)         Age of household head       -0.0830***       0.796***         Age of household head       -0.000681       0.998         (0.000990)       (0.00271)         Rural location       -0.00164       1.029         (0.0290)       (0.0826)         India       -0.234***       0.415***         (0.0333)       (0.0391)         Peru       -0.549***       0.166***         (0.0387)       (0.0183)         Vietnam       -0.768***       0.0895***         Constant/Cutpoint 1       4.937***       -9.296         (0.449)       (1.237)         Observations       5,149       5,149         R²/Pseudo R²       0.179       0.099         F/LR Chi²       55.75***       1186.58***		(0.0295)	(0.0717)
Female household head $-0.0830^{***}$ $(0.0264)$ $(0.0579)$ $0.796^{***}$ $(0.00681)$ $(0.000990)$ $(0.000990)$ $(0.00271)$ Rural location $-0.00164$ $(0.0290)$ $(0.0290)$ $(0.0826)$ India $-0.234^{***}$ $(0.0333)$ $(0.0391)$ Peru $-0.549^{***}$ $(0.0387)$ $(0.0183)$ Vietnam $-0.768^{***}$ $(0.0319)$ $(0.00859)$ Constant/Cutpoint 1 $4.937^{***}$ $4.937^{***}$ $-9.296$ $(0.449)$ $(0.237)$ Observations $5,149$ $(0.179)$ $(0.099)$ $5/LR Chi^2$ $0.179$ $(0.099)$	Education of household head	$0.00568^{**}$	$1.014^{*}$
$\begin{array}{c ccccc} Age \ of \ household \ head & (0.0264) & (0.0579) \\ -0.000681 & 0.998 \\ (0.000990) & (0.00271) \\ Rural \ location & -0.00164 & 1.029 \\ (0.0290) & (0.0826) \\ India & -0.234^{***} & 0.415^{***} \\ (0.0333) & (0.0391) \\ Peru & -0.549^{***} & 0.166^{***} \\ (0.0387) & (0.0183) \\ Vietnam & -0.768^{***} & 0.0895^{***} \\ (0.0319) & (0.00859) \\ Constant/Cutpoint 1 & 4.937^{***} & -9.296 \\ (0.449) & (1.237) \\ \hline Observations & 5,149 & 5,149 \\ R^2/\operatorname{Pseudo} R^2 & 0.179 & 0.099 \\ F/LR \ Chi^2 & 55.75^{***} & 1186.58^{***} \end{array}$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Female household head	-0.0830***	$0.796^{***}$
Rural location $(0.000990)$ $-0.00164$ $(0.0290)$ $(0.0826)$ India $-0.234^{***}$ $-0.234^{***}$ $(0.0333)$ $(0.0391)$ Peru $-0.549^{***}$ $-0.549^{***}$ $(0.0387)$ $(0.0183)$ Vietnam $-0.768^{***}$ $(0.0319)$ $(0.00859)$ Constant/Cutpoint 1 $4.937^{***}$ $-9.296$ $(0.449)$ $(0.237)$ Observations $5,149$ $-0.179$ $-0.099$ F/LR Chi² $0.179$ $-0.099$ $-0.099$		(0.0264)	(0.0579)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Age of household head	-0.000681	0.998
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		(0.000990)	(0.00271)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rural location	-0.00164	1.029
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	India	-0.234***	$0.415^{***}$
$\begin{array}{ccccc} Vietnam & (0.0387) & (0.0183) \\ -0.768^{***} & 0.0895^{***} \\ (0.0319) & (0.00859) \\ Constant/Cutpoint 1 & 4.937^{***} & -9.296 \\ & (0.449) & (1.237) \\ \hline Observations & 5,149 & 5,149 \\ \hline R^2 / Pseudo R^2 & 0.179 & 0.099 \\ F/LR Chi^2 & 55.75*** & 1186.58*** \\ \end{array}$			
Vietnam $-0.768^{***}$ $0.0895^{***}$ Constant/Cutpoint 1 $(0.0319)$ $(0.00859)$ Constant/Cutpoint 1 $4.937^{***}$ $-9.296$ $(0.449)$ $(1.237)$ Observations $5,149$ $5,149$ $R^2$ / Pseudo $R^2$ $0.179$ $0.099$ F/LR Chi² $55.75***$ $1186.58***$	Peru	-0.549***	$0.166^{***}$
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Constant/Cutpoint 1       4.937*** -9.296 (0.449) (1.237)         Observations       5,149       5,149         R² / Pseudo R²       0.179       0.099         F/LR Chi²       55.75*** 1186.58***	Vietnam	-0.768***	$0.0895^{***}$
Observations         (0.449)         (1.237)           R² / Pseudo R²         5,149         5,149           F/LR Chi²         0.179         0.099           55.75***         1186.58***			(0.00859)
Observations         5,149         5,149           R² / Pseudo R²         0.179         0.099           F/LR Chi²         55.75***         1186.58***	Constant/Cutpoint 1	4.937***	-9.296
R <sup>2</sup> / Pseudo R <sup>2</sup> 0.179 0.099 F/LR Chi <sup>2</sup> 55.75*** 1186.58***		(0.449)	(1.237)
F/LR Chi <sup>2</sup> 55.75*** 1186.58***		5,149	5,149
		0.179	0.099
		55.75***	1186.58***

Notes: HEALTH2 records only self-rated child health reported in survey rounds 3-4.

Reported figures are coefficients ( $\beta$ ) for OLS and odds ratios ( $e^{\beta}$ ) for ordered logit. Only cutpoint 1 value reported for ordered logit. Standard errors in parentheses; \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01.