

Online Appendix to Fatal Fluctuations? Cyclicity in Infant Mortality in India

Further Results

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This appendix provides results for urban households corresponding to Tables 5 and 6 in the text. It also presents results for rural and urban households to support the discussion in section 6.3.

Table A1: The Impact of State Income Shocks on Health-Seeking Behaviour in Urban Households

	Place of Delivery				Antenatal Care		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>A. Baseline</i>	<i>Home</i>	<i>Government facility</i>	<i>Private facility</i>	<i>Complete Care</i>	<i>In First Trimester</i>	<i>No. Visits Sought</i>	<i>Visits Received</i>
Lagged Income	-0.048 [0.049]	0.048 [0.052]	0.012 [0.054]	0.129 [0.079]	0.165* [0.043]	1.983* [0.483]	0.108* [0.053]
<i>B. Add state health expenditure</i>							
Lagged Income	-0.020 [0.058]	0.045 [0.061]	-0.021 [0.063]	0.155 [0.091]	0.208** [0.044]	1.957** [0.523]	0.161** [0.060]
State health exp	-0.110* [0.047]	0.071 [0.051]	0.047 [0.039]	0.039 [0.068]	0.039 [0.039]	0.066 [0.453]	-0.046 [0.039]
Mean dep var	0.405	0.301	0.290	0.556	0.463	4.11	0.11
Observations	15663	15663	15663	15539	15690	15162	15647
	Child Immunizations		Treatment: Conditional		Treatment: Unconditional		
	(8)	(9)	(10)	(11)	(12)	(13)	
<i>A. Baseline</i>	<i>Number</i>	<i>Full</i>	<i>Diarrhea</i>	<i>Respiratory</i>	<i>Diarrhea</i>	<i>Respiratory</i>	
Income	0.025 [0.339]	0.220* [0.081]	-0.417 [0.265]	0.000 [0.296]	0.019 [0.066]	0.279* [0.063]	
<i>B. Add state health expenditure</i>							
Income	0.341 [0.381]	0.316** [0.102]	-0.300 [0.387]	-0.044 [0.345]	0.090 [0.187]	-0.040 [0.121]	
State health exp	-0.350 [0.301]	-0.067 [0.077]	0.206 [0.158]	0.191 [0.223]	-0.005 [0.085]	-0.132 [0.110]	
Mean dep var	5.27 [max 8]	0.387	0.715	0.652	0.095	0.213	
Observations	10743	11184	1693	4172	12799	12799	

Notes: See Notes to Table 5 in the text, which presents the corresponding results for rural households.

Table A2: The Impact of Income Shocks on Parent's Work Participation in Urban Households

	(1)	(2)	(3)	(4)	(5)
	Any work	Agriculture	Non-Agri	Unpaid	Paid
A. MOTHERS					
Income	-0.144	-0.206*	0.061	-0.110*	-0.133
	[0.124]	[0.061]	[0.114]	[0.046]	[0.107]
<i>Mean (dependent variable)</i>	<i>0.151</i>	<i>0.026</i>	<i>0.124</i>	<i>0.019</i>	<i>0.103</i>
Observations	12799	12777	12777	12789	12789
B. FATHERS					
Income	0.064	-0.304*	0.418*		
	[0.058]	[0.088]	[0.102]		
<i>Mean (dependent variable)</i>	<i>0.969</i>	<i>0.059</i>	<i>0.918</i>		
Observations	12611	12515	12515		

Notes: See Notes to Table 6 in the text, which presents the corresponding results for rural households.

Table A3: Parent's Labour Force Participation and Child Survival and Health Inputs in Urban Households

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
RURAL	Mortality	Place of Delivery			Antenatal Care				Immun.	Treatment		Incidence	
<i>MOTHERS</i>		Home	Gov	Pvt.	Compl	Trimester	Visits S	Visits R	Full	Diarrhea	Respir	Diarrhea	Respir
ma agri	0.046 [0.025]	0.052* [0.006]	-0.016* [0.004]	-0.035* [0.004]	-0.022* [0.006]	-0.032* [0.005]	-0.244* [0.033]	0.018* [0.008]	-0.029* [0.007]	-0.025 [0.019]	-0.035 [0.021]	0.015* [0.006]	0.020* [0.007]
ma nonagri	-0.003 [0.024]	0.017* [0.006]	-0.010 [0.005]	-0.009 [0.005]	-0.007 [0.006]	-0.009 [0.006]	-0.085* [0.041]	0.027* [0.007]	-0.007 [0.008]	-0.010 [0.022]	-0.017 [0.015]	0.013 [0.008]	0.028* [0.013]
Obs.	1111	49435	49435	49435	48982	49512	43379	49277	34968	5580	13037	37585	40030
<i>FATHERS</i>													
pa agri	0.002 [0.064]	0.013 [0.012]	-0.015 [0.012]	0.002 [0.009]	0.026* [0.012]	-0.013 [0.013]	0.112 [0.077]	-0.001 [0.012]	-0.004 [0.017]	0.068 [0.050]	0.032 [0.033]	0.010 [0.009]	0.021 [0.012]
pa nonagri	-0.043 [0.069]	-0.020 [0.013]	0.003 [0.012]	0.017* [0.008]	0.059* [0.012]	0.022 [0.013]	0.393* [0.077]	-0.004 [0.011]	0.023 [0.017]	0.086 [0.051]	0.065 [0.032]	0.012 [0.011]	0.019 [0.013]
Obs.	1103	49282	49282	49282	48828	49358	43236	49123	34870	5555	12975	37454	39896
URBAN	Mortality	Place of Delivery			Antenatal Care				Immun.	Treatment		Incidence	
<i>MOTHERS</i>		Home	Gov	Pvt.	Compl	Trimester	Visits S	Visits R	Full	Diarrhea	Respir	Diarrhea	Respir
ma agri	0.037 [0.081]	0.136* [0.026]	-0.101* [0.026]	-0.045* [0.016]	-0.130* [0.024]	-0.095* [0.022]	-1.042* [0.111]	0.122* [0.025]	-0.094* [0.029]	-0.011 [0.058]	-0.091* [0.044]	0.032 [0.019]	0.020 [0.020]
ma nonagri	-0.033 [0.032]	0.030* [0.010]	-0.002 [0.015]	-0.026* [0.011]	-0.018 [0.010]	-0.002 [0.010]	-0.016 [0.065]	0.019* [0.009]	-0.028 [0.018]	0.000 [0.028]	-0.012 [0.028]	0.037* [0.011]	-0.005 [0.013]
Obs.	382	15634	15634	15634	15510	15661	15134	15618	11166	1689	4162	12288	12777
<i>FATHERS</i>													
pa agri	0.056 [0.055]	0.042 [0.027]	-0.064* [0.028]	0.019 [0.022]	-0.017 [0.027]	0.011 [0.030]	-0.184 [0.172]	0.022 [0.020]	-0.052 [0.035]	-0.070 [0.088]	-0.105 [0.054]	0.003 [0.024]	0.075* [0.032]

pa nonagri	0.087*	-0.062*	0.022	0.038	0.083*	0.077*	0.609*	-0.014	0.035	-0.062	-0.039	0.007	0.053
	[0.026]	[0.023]	[0.024]	[0.020]	[0.025]	[0.026]	[0.156]	[0.014]	[0.030]	[0.070]	[0.050]	[0.018]	[0.027]
Obs.	379	15548	15548	15548	15425	15575	15051	15532	11106	1684	4137	12214	12700

Notes: See section 6.3 of the text. These equations describe the conditional correlation between indicators of child health (mortality) or healthy behaviours (giving birth in a facility, antenatal care, child immunizations, treatment of children for infectious disease and incidence of disease) and mother's and father's work participation in agriculture and non-agriculture. The dependent variables are defined in notes to Table 5 in the text. Every equation includes state and year dummies, state-specific trends (that account for jumps in the time series), indicators for gender and whether firstborn child, mother's and father's education, ethnicity and religion. Here, I have removed "number of vaccinations" for parsimony and I include infant mortality and the probability of contracting disease (incidence). The sample for mortality is of children who are exactly a year old at the time of survey; for immunizations it is all children who are at least a year old at the survey date, for treatment, it is children who contracted the disease in the two weeks preceding the survey. Means for infant mortality are in Table 1 and for all other variables are in Table 5.