



The Impact of China's Market Reforms on the Health of Chinese Citizens: Examining Two Puzzles

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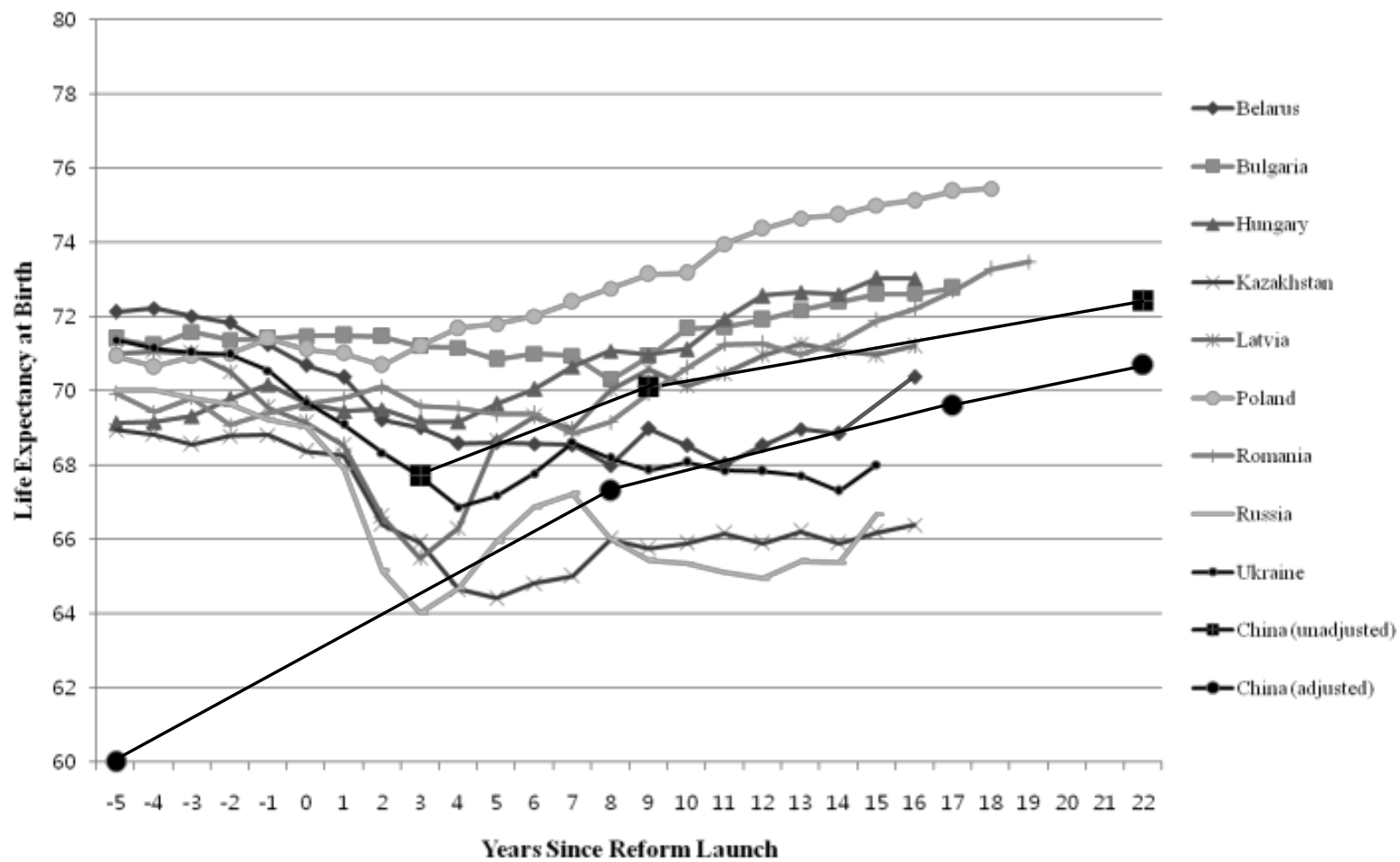
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Figure 1: Time Trend in Life Expectancies



Sources: Eastern Europe: WHO European Health for All Database (data.euro.who.int/hfadh/)

Table 1: Cross-tabulations of Worries about Costs of Medical Care (row%)														
		Medical Insurance?		Difficulty with Bills		Worry, Future Bills			Who Should Be Responsible for Health Care?					
		No	Yes	No	Yes	None	Some	Serious	State full	State m.	Equal	Ind. main	Ind. full	
Gender:														
	Male	70.5	29.5	67	33	17.2	48.1	34.7	11.1	21.7	48.7	12.8	5.6	
	Female	71.5	28.5	63.9	36.1	15.3	44.8	39.9	10	21.9	48.8	12.8	6.6	
Chi-squared significance level			n.s.		n.s.		p<.01				n.s.			
Household Type:														
	Rural	84.6	15.4	59.6	40.4	15	46.5	38.5	8	14.2	53.2	15.5	9	
	Migrant	90.8	9.2	68.9	31.1	14.4	39	46.7	8.7	20.9	49	13.8	7.7	
	Urban	49.2	50.8	72.8	27.2	18.2	47.4	34.4	14.3	32.4	42.6	7.7	1.9	
Chi-squared significance level			p<.001		p<.001		p<.01				p<.001			
Family Income Category:														
	Low	86.7	13.3	45.7	54.3	9.9	39.8	50.3	10.3	16.3	54.3	11.1	8.1	
	L.Middle	80.7	19.3	58.7	41.3	11.9	45.3	42.8	9.2	17.6	49.9	15.1	8.2	
	U.Middle	65.6	34.4	76.4	23.6	20.6	46.9	32.5	9	21.7	48.8	14.2	6.2	
	High	46.6	53.4	81.5	18.5	23.6	52.5	23.9	12.1	31.2	42.6	11.3	2.8	
Chi-squared significance level			p<.001		p<.001		p<.001				p<.001			
Educational Level:														
	Primary<=	84.9	15.1	54.1	45.9	13.6	42.3	44.1	9.9	16.8	50.3	14.1	8.8	
	L.Middle	72.3	27.7	67.4	32.6	15.2	48.1	36.7	11.3	21.1	48.3	13.3	6	
	U.Middle	57.4	42.6	74.4	25.6	19.2	45.6	35.1	11.9	30.2	45.8	8.9	3.2	
	College+	39.9	60.1	84.8	15.2	23.4	58.1	18.5	8.9	26.6	49.6	13.5	1.4	
Chi-squared significance level			p<.001		p<.001		p<.001				p<.001			
Regional Location														
	East	62.5	37.5	72.7	27.3	17.1	46.9	35.4	11.1	24.5	45.9	13.2	5.4	
	Central	80.9	19.1	59.1	40.1	16	45	39	9.3	19.7	52.5	12.6	5.9	
	West	83.9	16.1	49.1	50.9	16.2	46.4	37.4	11	15.5	52.3	11.6	9.6	
Chi-squared significance level			p<.001		p<.001		p<.01				p<.001			

Table 2: Cross-tabulations of Health Events and Self-rated Health (row%)														
		Serious Illness?		Death in Family?		Self-rated Physical Health					Self-rated Emotional Distress			
		No	Yes	No	Yes	V. poor	Poor	OK	Good	V. good	Low	L. middle	U. middle	High
Gender:														
	Male	76	24	67.2	32.8	1.6	9.7	32	33.8	23	38.8	32.6	22.2	6.4
	Female	74.1	25.9	67.6	32.4	3.3	12.7	33.2	34.4	16.5	32.2	27.6	31.1	9.1
Chi-squared significance level			n.s.		n.s.			p<.001				p<.001		
Household Type:														
	Rural	73.8	26.2	68.5	31.5	3.1	12.5	28.5	34.3	21.7	35.9	29.6	26.4	8.2
	Migrant	79.6	20.4	61.2	38.8	0	7.1	32.7	33.2	27	36.9	31.3	24.6	7.2
	Urban	76	24	66.8	33.2	1.9	10.1	38.2	34	15.7	34.4	30.9	27.7	7.4
Chi-squared significance level			n.s.		n.s.			p<.001				n.s.		
Family Income Category:														
	Low	67.8	32.2	64.9	35.1	5	17	37.1	28.5	17.4	30.5	28.3	27.4	13.7
	L. Middle	73.7	26.3	67.9	32.1	2.2	12.3	33	32.3	20.2	35.6	31.6	26.4	6.4
	U. Middle	79.5	20.5	67.2	32.8	1	9.7	31.2	34.3	23.7	39	29.9	24.2	6.9
	Upper	79.9	20.1	71.4	28.6	1.2	6.3	32.1	41	19.4	42.3	29.3	24.5	3.9
Chi-squared significance level			p<.001		n.s.			p<.001				p<.001		
Educational Level:														
	Primary<=	69.5	30.5	65.9	34.1	4	16.9	31.7	31.6	15.8	30.8	29	29.2	10.9
	L. Middle	77.6	22.4	67.3	32.7	1.4	7.8	30.8	36.1	24	39.1	30.2	24.6	6.1
	U. Middle	80.9	19.1	68.6	31.4	0.6	7.5	37.2	34.4	20.3	36	31.1	27	5.9
	College +	78.8	21.2	70.5	29.5	1.7	6	32.6	38.5	21.3	41.6	31.7	23.2	3.5
Chi-squared significance level			p<.001		n.s.			p<.001				p<.001		
Regional Location:														
	East	78.4	21.6	70.2	29.8	1.9	9.9	32.8	33.5	21.9	37.9	29.8	26	6.3
	Central	70.1	29.9	62.1	37.9	3.3	12.8	28.2	36.7	19	34.4	28.7	26.3	10.6
	West	71.9	28.1	67.6	32.4	3	13.3	41.6	30.4	11.7	27	34	31.2	7.9
Chi-squared significance level			p<.001		p<.001			p<.001				p<.001		

Table 3: Correlations and Regressions of Health Outcomes										
	Health insurance?		Physical health		Emotional distress		Medical bill worry		Resp. for healthcare	
	r	β	r	β	r	β	R	β	r	β
Household type:										
rural	-.33***	-.18***	.02	.14***	-.02	-.13***	.04*	-.08**	.24***	.23***
migrant	-.11***	-.16***	.06***	.06**	-.01	-.04*	.04*	.02	.02	.08***
urban	.39***	n.a.	-.05**	n.a.	.03	n.a.	-.06***	n.a.	-.25***	n.a.
Other objective social status:										
female	-.01	.04**	-.09***	-.08***	.11***	.11***	.05**	.04*	.02	.01
age	.08***	.11	-.26***	-.40***	.07***	.49**	.09***	.38**	-.06***	-.05
age-squared/100	.08***	-.01	-.25***	.17	.07***	-.41***	.08***	-.33**	-.06***	-.02
years of schooling	.32***	.15***	.16***	.06*	-.11***	-.05	-.16***	-.00	-.13***	-.07**
married	.05**	.05**	-.06**	.02	-.09**	-.14***	.04*	.01	.02	.00
Han ethnicity	.11***	.03	.06**	.05*	-.05*	-.05*	-.05**	-.04	-.05**	-.01
log family income	.32***	.09***	.16***	.02	-.14***	-.02	-.22***	-.15***	-.08***	.05*
CCP member	.21***	.10***	.04*	.04*	-.07***	-.02	-.06**	-.01	-.02	.04*
SOE ties (present or past)	.36***	.20***	.02	.03	-.04*	-.01	-.03	.01	-.17***	-.09***
Has health insurance	n.a.	n.a.	.06**	.05*	-.12***	-.11***	-.11***	-.06**	-.15***	-.04
Geographic location:										
East	.14***	n.a.	.10***	n.a.	-.05**	n.a.	-.07***	n.a.	-.06**	n.a.
Central	-.07***	-.11 ^{ns}	-.04*	-.05	.01	.12 ^{ns}	.04*	.02	.03	-.06 ^{ns}
West	-.11***	-.02	-.09***	-.10 ^{ns}	.06**	.10 ^{ns}	.06**	.00	.05**	-.07 ^{ns}
marketization	.15***	.07 ^{ns}	.05**	-.03	-.03	.09 ^{ns}	-.02	.01	-.06***	-.11 ^{ns}
Subjective status:										
5 year standard of living trend	n.a.	n.a.	.21***	.11***	-.22***	-.13***	-.19***	-.09***	.09***	.04*
relative social status	n.a.	n.a.	.23***	.15***	-.24***	-.16***	-.28***	-.18***	.02	.04*
R-squared:		.29		.17		.14		.12		.09

r=bivariate correlation coefficient; β =standardized OLS regression coefficient; n.a.=not applicable

*=p<.05; **=p<.01; ***=p<.001 ns=regression coefficient no longer statistically significant after correction for case clustering (see text)