

This is a repository copy of *Is Foreign Direct Investment Good for Health in Low and Middle Income Countries?:An Instrumental Variable Approach*.

White Rose Research Online URL for this paper:

<https://eprints.whiterose.ac.uk/id/eprint/114510/>

---

**Article:**

Burns, Darren, Jones, AP, Goryakin, Yevgeniy et al. (1 more author) (2017) Is Foreign Direct Investment Good for Health in Low and Middle Income Countries?:An Instrumental Variable Approach. Social science and medicine. pp. 74-82. ISSN: 1873-5347

<https://doi.org/10.1016/j.socscimed.2017.03.054>

---

**Reuse**

This article is distributed under the terms of the Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND) licence. This licence only allows you to download this work and share it with others as long as you credit the authors, but you can't change the article in any way or use it commercially. More information and the full terms of the licence here: <https://creativecommons.org/licenses/>

**Takedown**

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing [eprints@whiterose.ac.uk](mailto:eprints@whiterose.ac.uk) including the URL of the record and the reason for the withdrawal request.

## Appendix

**Appendix Table 1** *List of Countries Included in the Primary Analysis*

Afghanistan	Ghana	Mongolia	Thailand
Albania	Gambia, The	Mozambique	Tajikistan
Armenia	Guatemala	Mauritania	Tonga
Burundi	Honduras	Mauritius	Tunisia
Benin	Haiti	Malawi	Turkey
Bangladesh	Indonesia	Malaysia	Tanzania
Bulgaria	India	Namibia	Uganda
Belize	Iran, Islamic Rep.	Niger	Ukraine
Bolivia	Iraq	Nepal	Vietnam
Brazil	Jamaica	Pakistan	Yemen, Rep.
Botswana	Jordan	Panama	South Africa
Central African Republic	Kazakhstan	Peru	Zambia
China	Kenya	Philippines	Syrian Arab Republic
Cote d'Ivoire	Kyrgyz Republic	Papua New Guinea	Zimbabwe
Cameroon	Cambodia	Paraguay	
Congo, Rep.	Lao PDR	Romania	
Colombia	Liberia	Rwanda	
Costa Rica	Sri Lanka	Sudan	
Dominican Republic	Lesotho	Senegal	
Algeria	Morocco	Sierra Leone	
Ecuador	Moldova	El Salvador	
Egypt, Arab Rep.	Maldives	Serbia	
Fiji	Mexico	Swaziland	
Gabon	Mali	Togo	

**Appendix Table 2** *List of Countries Included in Sectoral Analysis*

---

Bolivia	Mozambique
Costa Rica	Nicaragua
China	Nepal
Dominican Republic	Pakistan
Ecuador	Peru
Egypt, Arab Rep.	Philippines
Guyana	Papua New Guinea
Honduras	Paraguay
Iran, Islamic Rep.	El Salvador
Jamaica	Thailand
Jordan	Tunisia
Kenya	Turkey
Sri Lanka	Tanzania
Morocco	Uganda
Mexico	Vietnam
Mongolia	Zambia

---

Appendix Table 3: World Investment Directory Industrial Disaggregation of FDI

World Investment Directory Category	ISIC V4 Code
<i>Primary</i>	
Agriculture, hunting, forestry and fishing	01, 02, 05
Mining, quarrying and petroleum	10,11,12,13,14
<i>Secondary</i>	
Food, beverages and tobacco	15,16
Textiles, clothing and leather	17,18,19
Wood and wood products	20,21
Publishing, printing and reproduction of recorded media	22
Coke, petroleum products and nuclear fuel	23
Chemicals and chemical products	24
Rubber and plastic products	25
Non-metallic mineral products	26
Metal and metal products	27,28
Machinery and equipment	29
Electrical and electronic equipment	30,31,32
Precision instruments	33
Motor vehicles and other transport equipment	34,35
Other manufacturing	36
Recycling	37
<i>Tertiary</i>	
Electricity, gas and water	40,41
Construction	45
Trade	50,51,52
Hotels and restaurants	55
Transport, storage and communications	60,61,62,63,64
Finance	65,66,67
Business activities	70,71,72,73,74
Public administration and defense	75
Education	80
Health and social services	85
Community, social and personal service activities	90,91,92
Other services	1120,93,95,99
<i>Unspecified</i>	N/A

**Appendix Table 4** *IVFE Models of FDI and Life Expectancy Using Alternative Measures of Education and Institutional Quality*

Model number	(A1)		(A2)		(A3)		(A4)	
Robustness check	political rights		HF overall policy score		Age-dependency ratio		Alternative educational measure	
Dependant Variable	Coef.	pval	Coef.	pval	Coef.	pval	Coef.	pval
FDI inflow (% GDP)	1.038*	(0.058)	-0.012	(0.910)	1.025*	(0.057)	1.113*	(0.053)
Years of schooling	2.895**	(0.015)	2.278***	(0.001)	2.836**	(0.017)	-	-
Years of schooling, squared	-0.202***	(0.002)	-0.145***	(0.000)	-0.200***	(0.002)	-	-
Enrolment in secondary education	-	-	-	-	-	-	0.617**	(0.018)
Civil Liberties Index, lagged	-	-	-	-	0.199	(0.406)	0.147	(0.535)
Political rights Index, lagged	-0.014	(0.943)	-	-	-	-	-	-
Heritage Foundation overall freedom score, lagged	-	-	0.016	(0.703)	-	-	-	-
ln(GDPPC in 2010 USD), lagged	0.205*	(0.097)	0.393	(0.212)	0.201	(0.101)	0.174	(0.145)
Urban population (% population)	0.016	(0.848)	0.032	(0.588)	0.020	(0.815)	0.034	(0.736)
Age-dependancy ratio	-	-	-	-	-0.007	(0.879)	-	-
Observations	2,556		1,262		2,556		2,340	
Number of countries	85		83		85		105	
F-test	12.98		14.75		13.13		14.02	
F-test: 1st stage	5.048		6.093		5.527		5.930	
J-statistic	0.645		1.503		0.630		0.546	
(J-stat) Prob > P	0.422		0.220		0.427		0.460	