

Appendix 3 (as supplied by the authors): Data from Table 2 replicated with lagged versions of social to health spending ratio from one and two time periods (years)

	Model 7	Model 8	Model 9	Model 10	Model 11	Model 12
	Potentially avoidable mortality (natural log)	Infant mortality (natural log)	Life expectancy [†] (natural log)	Potentially avoidable mortality (natural log)	Infant mortality (natural log)	Life expectancy [†] (natural log)
Ratio of social to health spending (real dollars, lagged one year)	-0.0011* (-0.0017,-0.0006)	-0.0016 (-0.0037,0.0005)	0.0001* (0.0001,0.0002)			
Ratio of social to health spending (real dollars, lagged two years)				-0.0012* (-0.0018,-0.0007)	-0.0005 (-0.0026,0.0016)	0.0001* (0.0001,0.0002)
% over age 65	-4.2190* (-5.1427,-3.2953)	0.4831 (-2.9259,3.8920)	0.3304* (0.1964,0.4643)	-4.3623* (-5.2791,-3.4454)	1.2953 (-2.1660,4.7566)	0.3474* (0.1958,0.4990)
% female	1.6296 (-1.3600,4.6192)	-19.0819* (-30.1150,-8.0488)	-1.0206* (-1.3874,-0.6539)	1.6620 (-1.4010,4.7250)	-18.9055* (-30.4691,-7.3419)	-0.9382* (-1.3398,-0.5365)
% rural	-0.0019 (-0.0069,0.0032)	0.0209* (0.0024,0.0395)	-0.0009* (-0.0018,-0.0000)	-0.0027 (-0.0080,0.0025)	0.0265* (0.0066,0.0464)	-0.0006 (-0.0016,0.0003)
Unemployment rate	0.0059* (0.0008,0.0109)	0.0157 (-0.0030,0.0344)	-0.0005 (-0.0011,0.0002)	0.0064* (0.0011,0.0117)	0.0100 (-0.0100,0.0300)	-0.0004 (-0.0011,0.0003)
Median income after tax (natural log)	0.3142* (0.1670,0.4615)	0.4282 (-0.1152,0.9716)	-0.0562* (-0.0737,-0.0388)	0.3246* (0.1780,0.4713)	0.5146 (-0.0391,1.0682)	-0.0480* (-0.0670,-0.0290)
Gini coefficient of after tax income	0.1177 (-0.4849,0.7204)	-0.8784 (-3.1025,1.3458)	-0.0005 (-0.0495,0.0484)	0.0380 (-0.5565,0.6326)	-0.8788 (-3.1235,1.3659)	-0.0043 (-0.0558,0.0472)
Real total government expenditure (in billions)	0.0031* (0.0009,0.0052)	0.0058 (-0.0022,0.0138)	-0.0004* (-0.0006,-0.0002)	0.0030* (0.0008,0.0053)	0.0072 (-0.0013,0.0157)	-0.0004* (-0.0006,-0.0001)
Population (in millions)	-0.0965* (-0.1291,-0.0639)	-0.0553 (-0.1756,0.0650)	0.0131* (0.0093,0.0169)	-0.0980* (-0.1317,-0.0644)	-0.0652 (-0.1922,0.0618)	0.0132* (0.0089,0.0175)
Constant	2.0715 (-0.3152,4.4583)	6.1265 (-2.6819,14.9349)	5.4543* (5.1199,5.7887)	2.0181 (-0.4060,4.4422)	4.8278 (-4.3238,13.9794)	5.3128* (4.9504,5.6753)
Observations	270	270	135	261	261	126

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Appendix 3 (as supplied by the authors), continued: Data from Table 2 replicated with lagged versions of social to health spending ratio from one and two time periods (years)

	Model 7 - Standardized Potentially avoidable mortality (natural log)	Model 8 - Standardized Infant mortality (natural log)	Model 9 - Standardized Life expectancy [†] (natural log)	Model 10 - Standardized Potentially avoidable mortality (natural log)	Model 11 - Standardized Infant mortality (natural log)	Model 12 - Standardized Life expectancy [†] (natural log)
Ratio of social to health spending (real dollars, lagged one year)	-0.0508* (-0.0762,-0.0254)	-0.0522 (-0.1194,0.0149)	1.0605* (0.8279,1.2931)			
Ratio of social to health spending (real dollars, lagged two years)				-0.0560* (-0.0811,-0.0309)	-0.0163 (-0.0842,0.0515)	0.0886* (0.0574,0.1197)
% over age 65	-0.4029* (-0.4911,-0.3147)	0.0330 (-0.2000,0.2660)	0.4640* (0.2759,0.6520)	-0.4166* (-0.5041,-0.3290)	0.0885 (-0.1480,0.3251)	0.4879* (0.2750,0.7008)
% female	0.0366 (-0.0305,0.1036)	-0.3064* (-0.4835,-0.1292)	-0.3367* (-0.4577,-0.2157)	0.0373 (-0.0314,0.1060)	-0.3035* (-0.4892,-0.1179)	-0.3095* (-0.4420,-0.1770)
% rural	-0.1128 (-0.4172,0.1917)	0.9070* (0.1029,1.7111)	-0.8052* (-1.5699,-0.0404)	-0.1657 (-0.4851,0.1536)	1.1489* (0.2860,2.0118)	-0.5591 (-1.4098,0.2916)
Unemployment rate	0.1068* (0.0144,0.1992)	0.2052 (-0.0389,0.4493)	-0.1236 (-0.2950,0.0478)	0.1162* (0.0196,0.2128)	0.1306 (-0.1304,0.3916)	-0.1008 (-0.2869,0.0854)
Median income after tax (natural log)	0.1785* (0.0949,0.2621)	0.1741 (-0.0468,0.3950)	-0.4699* (-0.6153,-0.3245)	0.1844* (0.1011,0.2677)	0.2092 (-0.0159,0.4342)	-0.4011* (-0.5596,-0.2426)
Gini coefficient of after tax income	0.0089 (-0.0367,0.0545)	-0.0476 (-0.1680,0.0729)	-0.0006 (-0.0550,0.0539)	0.0029 (-0.0421,0.0479)	-0.0476 (-0.1691,0.0740)	-0.0048 (-0.0621,0.0525)
Real total government expenditure (in billions)	0.4223* (0.1234,0.7212)	0.5747 (-0.2147,1.3641)	-0.7756* (-1.2231,-0.3280)	0.4192* (0.1067,0.7316)	0.7144 (-0.1298,1.5586)	-0.7356* (-1.2374,-0.2338)
Population (in millions)	-1.6408* (-2.1951,-1.0865)	-0.6734 (-2.1375,0.7906)	3.2684* (2.3211,4.2156)	-1.6670* (-2.2390,-1.0950)	-0.7939 (-2.3393,0.7515)	3.3032* (2.2248,4.3816)
Constant	-1.0664* (-1.2824,-0.8504)	-0.7892* (-1.3596,-0.2188)	0.0886* (0.0590,0.1182)	-1.0607* (-1.2761,-0.8452)	-0.8841* (-1.4661,-0.3021)	1.0100* (0.7603,1.2597)
Observations	270	270	135	261	261	126

Lower and upper bound of 95% confidence interval in parentheses

* p<0.05

Fixed effects for province and year are included in each model (coefficients not reported)

[†]Life expectancy only modeled from 1992 to 2007 due to data availability at the province level.

Note: Interpretation of the adjusted model coefficients requires multiplying the coefficient by 100 then interpreting the resultant number as a percent change in the outcome per one unit change in the independent variable. For example, in Model 1, a one cent increase in social spending for each dollar in health spending in the previous year is associated with a 0.11% decrease in potentially avoidable mortality in the current year.

