

Appendix 2 (as supplied by the authors): Data from Table 2 replicated with health and social spending entered separately

	Model 4	Model 5	Model 6	Model 4 - Standardized	Model 5 - Standardized	Model 6 - Standardized
	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)
Real health spending (centred on average, natural log)	0.064* (0.002,0.126)	-0.086 (-0.308,0.136)	0.002 (-0.005,0.008)	0.083* (0.003,0.164)	-0.080 (-0.287,0.127)	0.029 (-0.090,0.149)
Real social spending (centred on average, natural log)	-0.034* (-0.057,-0.011)	-0.077 (-0.158,0.005)	0.006* (0.004,0.008)	-0.039* (-0.065,-0.013)	-0.063 (-0.130,0.004)	0.094* (0.060,0.129)
% over age 65	-4.165* (-5.121,-3.209)	0.502 (-2.923,3.928)	0.355* (0.216,0.495)	-0.398* (-0.489,-0.306)	0.034 (-0.200,0.268)	0.499* (0.303,0.695)
% female	1.414 (-1.601,4.429)	-17.507* (-28.309,-6.704)	-0.999* (-1.375,-0.624)	0.032 (-0.036,0.099)	-0.281* (-0.455,-0.108)	-0.330* (-0.454,-0.206)
% rural	-0.003 (-0.007,0.002)	0.016 (-0.002,0.033)	-0.001 (-0.002,0.000)	-0.156 (-0.449,0.137)	0.685 (-0.066,1.436)	-0.767 (-1.551,0.017)
Unemployment rate	0.007* (0.002,0.012)	0.018 (-0.000,0.037)	-0.000 (-0.001,0.000)	0.122* (0.029,0.216)	0.237 (-0.003,0.477)	-0.100 (-0.296,0.095)
Median income after tax (natural log)	0.268* (0.116,0.421)	0.420 (-0.127,0.966)	-0.055* (-0.073,-0.037)	0.152* (0.066,0.239)	0.171 (-0.051,0.393)	-0.463* (-0.613,-0.312)
Gini coefficient of after tax income	-0.109 (-0.732,0.514)	-0.859 (-3.090,1.373)	0.014 (-0.036,0.064)	-0.008 (-0.055,0.039)	-0.046 (-0.167,0.074)	0.015 (-0.040,0.071)
Real total government expenditure (in billions)	0.003* (0.001,0.005)	0.007 (-0.001,0.015)	-0.001* (-0.001,-0.000)	0.401* (0.085,0.717)	0.673 (-0.138,1.483)	-1.123* (-1.645,-0.601)
Population (in millions)	-0.094* (-0.128,-0.060)	-0.059 (-0.179,0.062)	0.015* (0.010,0.019)	-1.598* (-2.170,-1.025)	-0.714 (-2.183,0.754)	3.646* (2.604,4.689)
Constant	3.164* (0.735,5.593)	6.088 (-2.616,14.791)	5.427* (5.087,5.767)	1.180* (0.975,1.384)	1.324* (0.800,1.849)	0.917* (0.645,1.189)

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 interpreting the number as a percent change in the outcome per a 1% change in the independent variable. For example, in Model 1, a 1% increase in social spending is associated with a 0.034% decrease in potentially avoidable mortality.

