

SUPPLEMENTARY APPENDIX

TABLE A: The effects of rises in unemployment, inflation and per capita GDP on mortality metrics (excluding inter-year variations of >150%).

* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

	Inflation				Unemployment				GDP per capita			
	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient
Female adult mortality	0.0011	0.0035 to 0.0005	0.0006	0.0010	0.4801	1.2323 to 0.2859	0.419	0.5391	0.0681	-0.0224 to 0.025	0.0547	0.0772
Male adult mortality	0.0035	0.0013 to 0.0056	0.0015**	0.0584	1.2323	0.4982 to 1.9663	0.0011**	0.1130	-0.0224	-0.4635 to 0.4186	0.9204	-0.0018
Neonatal mortality	0.0005	0.0003 to 0.0007	0.0000***	0.0578	0.2859	0.1813 to 0.3906	0.0000***	0.1802	0.025	-0.0369 to 0.0869	0.4277	0.0141
Infant mortality	0.0006	0.0004 to 0.0009	0.0000***	0.0584	0.419	0.2776 to 0.5604	0.0000***	0.211	0.0547	-0.0277 to 0.1371	0.1926	0.0247
Under-five mortality	0.001	0.0007 to 0.0013	0.0000***	0.0922	0.5391	0.3684 to 0.7097	0.0000***	0.2822	0.0772	-0.0274 to 0.1817	0.1473	0.0362

TABLE B: The effects of rises in unemployment, inflation and per capita GDP on mortality metrics (excluding inter-annual unemployment, inflation and GDP/capita changes >150%).

* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

	Inflation				Unemployment				GDP per capita			
	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient
Female adult mortality	0.0017	-0.0026 to 0.006	0.4373	0.0119	0.6126	0.1886 to 1.0365	0.0048**	0.0883	-0.3496	-0.7099 to 0.0108	0.0572	-0.0334
Male adult mortality	0.0083	-0.0027 to 0.0192	0.1379	0.0403	1.3125	0.2962 to 2.3288	0.0116*	0.1317	-0.978	-1.791 to -0.165	0.0186*	-0.065
Neonatal mortality	0.0007	-0.0007 to 0.0021	0.327	0.0226	0.2795	0.1395 to 0.4196	0.0001***	0.1885	-0.036	-0.1389 to 0.0669	0.491	-0.0161
Infant mortality	0.0006	-0.0012 to 0.0024	0.5146	0.0158	0.3964	0.2131 to 0.5798	0.0000***	0.2196	-0.0295	-0.1691 to 0.1101	0.6773	-0.0108
Under-five mortality	0.0013	-0.001 to 0.0036	0.2735	0.0365	0.5223	0.279 to 0.7657	0.0000***	0.3067	-0.0116	-0.2002 to 0.1771	0.904	-0.0045

TABLE C: The effects of rises in unemployment, inflation and per capita GDP on mortality metrics (controlling for urbanisation rates).* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

	Inflation				Unemployment				GDP per capita			
	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient
Female adult mortality	0.0009	-0.0002 to 0.0021	0.1207	0.0215	0.294	-0.0762 to 0.6641	0.1192	0.0383	0.0419	-0.1572 to 0.2411	0.6791	0.005
Male adult mortality	0.0033	0.0011 to 0.0055	0.0036**	0.054	1.2104	0.4854 to 1.9353	0.0011**	0.1091	-0.0976	-0.5171 to 0.3218	0.6474	-0.008
Neonatal mortality	0.0004	0.0003 to 0.0006	0.0000***	0.0487	0.1649	0.0823 to 0.2475	0.0001***	0.1006	0.0359	-0.0191 to 0.0909	0.1997	0.02
Infant mortality	0.0005	0.0003 to 0.0008	0.0000***	0.0486	0.2678	0.1505 to 0.3851	0.0000***	0.1302	0.067	-0.007 to 0.141	0.076	0.0296
Under-five mortality	0.0009	0.0005 to 0.0012	0.0000***	0.0793	0.3831	0.245 to 0.5212	0.0000***	0.1919	0.0972	0.0048 to 0.1896	0.0392*	0.0443

TABLE D: The effects of rises in unemployment, inflation and per capita GDP on mortality metrics (only including data from 1996 to 2007)* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

	Inflation				Unemployment				GDP per capita			
	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient
Female adult mortality	0.0881	0.0265 to 0.1496	0.0053**	0.0266	0.2563	-0.1017 to 0.6142	0.1593	0.0321	0.0852	-0.1012 to 0.2715	0.368	0.0083
Male adult mortality	0.1471	0.0136 to 0.2806	0.0311*	0.0371	0.4391	-0.3441 to 1.2222	0.2698	0.0461	-0.1221	-0.528 to 0.2838	0.5532	-0.01
Neonatal mortality	0.0044	-0.0049 to 0.0138	0.3504	0.0104	-0.0689	-0.1241 to -0.0136	0.0149*	-0.0674	-0.0048	-0.0349 to 0.0254	0.755	-0.0036
Infant mortality	0.0159	0.0017 to 0.0302	0.0281*	0.0308	-0.0566	-0.1173 to 0.0041	0.0673	-0.0454	0.0186	-0.0169 to 0.0541	0.3018	0.0117
Under-five mortality	0.0132	-0.0012 to 0.0275	0.0721	0.029	-0.1226	-0.1976 to -0.0475	0.0015**	-0.1124	-0.0141	-0.0566 to 0.0284	0.5142	-0.0101

TABLE E: The effects of rises in unemployment, inflation and per capita GDP on mortality metrics (controlling for additional economic measures – real interest rates and government debt (measured as % of GDP))

* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

	Inflation				Unemployment				GDP per capita			
	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient
Female adult mortality	-0.0003	-0.0016 to 0.0011	0.699	-0.006	0.209	-0.2463 to 0.6643	0.3669	0.0261	0.0722	-0.1791 to 0.3234	0.5723	0.0077
Male adult mortality	0.0002	-0.0027 to 0.003	0.9099	0.0027	1.353	0.6494 to 2.0566	0.0002***	0.1257	-0.1277	-0.6424 to 0.3871	0.6258	-0.0101
Neonatal mortality	0	-0.0004 to 0.0003	0.8905	-0.0027	0.2114	0.0972 to 0.3256	0.0003***	0.1275	0.0203	-0.0529 to 0.0934	0.5859	0.0104
Infant mortality	0	-0.0005 to 0.0004	0.8911	-0.003	0.2601	0.1052 to 0.4151	0.0011**	0.127	0.0332	-0.0688 to 0.1352	0.5224	0.0138
Under-five mortality	0.0001	-0.0006 to 0.0008	0.826	0.0069	0.3585	0.173 to 0.544	0.0002***	0.1712	0.0457	-0.0901 to 0.1814	0.5082	0.0186

TABLE F: The effects of rises in unemployment, inflation and per capita GDP on mortality metrics (controlling for IMF bailouts)* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

	Inflation				Unemployment				GDP per capita			
	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient
Female adult mortality	0.0001	-0.001 to 0.0012	0.7916	0.0066	0.1447	-0.7016 to 0.991	0.7344	0.0207	-0.2277	-0.7327 to 0.2772	0.3719	-0.0217
Male adult mortality	0.0017	-0.0001 to 0.0035	0.0603	0.0468	1.3063	-0.1453 to 2.7579	0.0771	0.1151	0.0167	-0.9695 to 1.0029	0.9732	0.001
Neonatal mortality	0.0001	-0.0002 to 0.0004	0.4532	0.0197	0.2948	0.0597 to 0.53	0.0147*	0.1548	-0.0529	-0.2256 to 0.1198	0.5436	-0.0185
Infant mortality	0.0001	-0.0003 to 0.0005	0.5944	0.0149	0.4509	0.1337 to 0.768	0.0059**	0.1867	0.0225	-0.2014 to 0.2464	0.842	0.0062
Under-five mortality	0.0003	-0.0004 to 0.0010	0.3626	0.0391	0.566	0.1519 to 0.9801	0.0080**	0.2246	0.0583	-0.2095 to 0.3261	0.6659	0.0154

TABLE G: The effects of rises in unemployment, inflation and per capita GDP on comparable mortality metrics from the World Bank.* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

	Inflation				Unemployment				GDP per capita			
	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient
Neonatal mortality	0.0005	0.0003 to 0.0007	0.0000***	0.0398	0.0195	-0.0905 to 0.1295	0.7277	0.0131	-0.0018	-0.0535 to 0.0498	0.9451	-0.001
Infant mortality	0.0011	0.0007 to 0.0015	0.0000***	0.0495	0.6210	0.3909 to 0.8511	0.0000***	0.1528	0.0475	-0.0935 to 0.1885	0.5084	0.0106
Under-five mortality	0.0019	0.0012 to 0.0026	0.0000***	0.0577	1.0892	0.708 to 1.4703	0.0000***	0.1811	0.1021	-0.1280 to 0.3322	0.3834	0.0155
Female mortality	-0.0097	-0.0376 to 0.0182	0.4934	-0.0035	-0.0385	-0.2424 to 0.1654	0.7100	-0.0047	-0.1566	-0.2732 to -0.0401	0.0087**	-0.0162
Male mortality	-0.0318	-0.0763 to 0.0127	0.1602	-0.0081	0.1455	-0.1871 to 0.4782	0.38900	0.0126	-0.158	-0.3469 to 0.0309	0.1006	-0.0115

TABLE H: The effects of rises in unemployment, inflation and per capita GDP on mortality metrics (controlling for out-of-pocket expenses on healthcare and health expenditure per capita (purchasing power parity – constant 2005 international dollars)).

* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

	Inflation				Unemployment				GDP per capita			
	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient	Coefficient	Confidence interval	P-value	Beta coefficient
Female adult mortality	0.0741	0.0222 to 0.126	0.0054**	0.0243	0.1709	-0.2386 to 0.5804	0.4115	0.0216	0.0957	-0.0892 to 0.2806	0.3088	0.0100
Male adult mortality	0.1557	0.0395 to 0.2718	0.0089**	0.0417	0.7225	-0.1427 to 1.5878	0.1012	0.0747	-0.0956	-0.4866 to 0.2954	0.6303	-0.0081
Neonatal mortality	0.0060	-0.0028 to 0.0147	0.1786	0.0142	-0.0289	-0.0846 to 0.0269	0.3082	-0.0264	0.0001	-0.0331 to 0.0333	0.9960	0.0001
Infant mortality	0.0171	0.0048 to 0.0295	0.0067**	0.0342	-0.0197	-0.0854 to 0.0459	0.5535	-0.0152	0.0209	-0.017 to 0.0588	0.2785	0.0132
Under-five mortality	0.0108	-0.0025 to 0.0242	0.1107	0.025	-0.0789	-0.1633 to 0.0055	0.0666	-0.0703	-0.0041	-0.0518 to 0.0436	0.8661	-0.003