

SUPPLEMENTAL MATERIAL

Table S1. Hausman-Taylor estimator – Outcome: Age-adjusted cardiovascular mortality rate (log transformed)

Variable	Estimate	95% Lower confidence limit	95% Upper confidence limit	p-value
Violent Crime rate*	0.171477 ⁺	0.043586	0.299368	0.009
Proportion of residents non-Hispanic Black	0.000104	-0.0023	0.002504	0.933
Proportion of residents Hispanic (any race)	0.001551	-0.00038	0.003481	0.115
Proportion of residents other race [‡]	-0.00798	-0.0159	-6.5E-05	0.048
Unemployment rate	0.003555	-0.00063	0.007743	0.096
Vacant housing rate	3.41E-06	8.15E-07	6.00E-06	0.01
Median Household Income	0.000908	-0.003	0.004815	0.649
Less than High School Education attainment rate	-0.00281	-0.0062	0.000593	0.106
Year 2000-2004	Reference			
Year 2005-2009	-0.23392	-0.28776	-0.18008	<0.001
Year 2010-2014	-0.272	-0.34178	-0.20222	<0.001
Time-invariant variables				
Proportion of residents with health insurance coverage (2008-2012)	-0.00334	-0.01164	0.004964	0.431
Quintile of residents per physician (2008)				
Quintile 1	Reference			
Quintile 2	0.114665	-0.03124	0.260574	0.123
Quintile 3	0.024071	-0.1057	0.15384	0.716
Quintile 4	0.051928	-0.07966	0.183515	0.439
Quintile 5	0.029265	-0.11828	0.176811	0.697

* Included in model as log transformed variable. Rate is per 100,000 residents

† A 1% change in the variable is associated with a percent change in the outcome equal to the estimate value.

‡ Other race includes Asian, American Indian or Alaska Native, Native Hawaiian and Other Pacific Islander, 2 or more races, or some other race.