

SUPPLEMENTAL MATERIAL

Table S1. Odds ratios (95% confidence interval) comparing the association of tertiles of social vulnerability index and area deprivation index with chronic comorbidities.

Odds Ratio (95% Confidence Interval)			
SVI		ADI	
Hypertension	Adjusted	Hypertension	Adjusted
SVI <0.33	1.00 (ref)	ADI <0.40	1.00 (ref)
SVI 0.33-0.53	1.03 (1.01,1.06)	ADI 0.40-0.65	1.12 (1.09,1.16)
SVI ≥0.54	1.14 (1.11,1.17)	ADI ≥0.65	1.28 (1.25,1.32)
Hyperlipidemia		Hyperlipidemia	
SVI <0.33	1.00 (ref)	ADI <0.40	1.00 (ref)
SVI 0.33-0.53	1.04 (1.01,1.06)	ADI 0.40-0.65	1.04 (1.01,1.07)
SVI ≥0.54	1.09 (1.06,1.12)	ADI ≥0.65	1.11 (1.08,1.14)
Diabetes mellitus		Diabetes mellitus	
SVI <0.33	1.00 (ref)	ADI <0.40	1.00 (ref)
SVI 0.33-0.53	1.06 (1.03,1.08)	ADI 0.40-0.65	1.09 (1.05,1.12)
SVI ≥0.54	1.12 (1.09,1.15)	ADI ≥0.65	1.20 (1.17,1.23)
Current Smoker		Current Smoker	
SVI <0.33	1.00 (ref)	ADI <0.40	1.00 (ref)
SVI 0.33-0.53	1.11 (1.09,1.14)	ADI 0.40-0.65	1.18 (1.15,1.21)
SVI ≥0.54	1.05 (1.03,1.07)	ADI ≥0.65	1.34 (1.31,1.38)

Current E-cigarette use		Current E-cigarette use	
SVI <0.33	1.00 (ref)	ADI <0.40	1.00 (ref)
SVI 0.33-0.53	1.15 (1.09- 1.21)	ADI 0.40-0.65	1.19 (1.12- 1.26)
SVI ≥0.54	1.22 (1.16- 1.29)	ADI ≥0.65	1.16 (1.10- 1.22)
Current Marijuana use		Current Marijuana use	
SVI <0.33	1.00 (ref)	ADI <0.40	1.00 (ref)
SVI 0.33-0.53	1.17 (1.09- 1.25)	ADI 0.40-0.65	0.53 (0.50- 0.57)
SVI ≥0.54	1.57 (1.49- 1.67)	ADI ≥0.65	0.40 (0.37- 0.43)
CKD		CKD	
SVI <0.33	1.00 (ref)	ADI <0.40	1.00 (ref)
SVI 0.33-0.53	1.05 (1.01,1.10)	ADI 0.40-0.65	1.04 (0.99,1.10)
SVI ≥0.54	1.17 (1.12,1.23)	ADI ≥0.65	1.06 (1.01,1.11)
ASCVD		ASCVD	
SVI <0.33	1.00 (ref)	ADI <0.40	1.00 (ref)
SVI 0.33-0.53	1.09 (1.06,1.12)	ADI 0.40-0.65	1.13 (1.10,1.18)
SVI ≥0.54	1.15 (1.12,1.19)	ADI ≥0.65	1.27 (1.24,1.31)

Model is adjusted for age, sex, race, employment, income, association with federal poverty line, and health plan coverage. Key: SVI: social vulnerability index; ASCVD: atherosclerotic cardiovascular disease; CKD: chronic kidney disease.

Figure S1. Overall state level variation in tertiles of social vulnerability index.

