Table S2: Summary of county-level covariates used in second-stage small area model.

|  |  |  |
| --- | --- | --- |
| Variable | Years Available | Source |
| County Race/Ethnicity (%) | 1997-2009 | NCHS Bridged-Race population estimates (2007 vintage) |
| Non-Hispanic black |
| Non-Hispanic Asian |
| Non-Hispanic American Indian |
| Hispanic |
| Education (%) | 2000 | 2000 Census |
| High School degree |
| Bachelor’s degree |
| Poverty (%) | 1997-2009 | Census Bureau Small Area Income and Poverty Estimates |
| Household Income (CPI adjusted) | 1997-2009 | Census Bureau Small Area Income and Poverty Estimates |
| Number of Fast food restaurants per 100,000 population\* | 1997-2009 | Census Bureau County Business Patterns |
| Number of medical doctors per 1,000 population | 2000 | Area Resource File |
| Number of dentists per 1,000 population | 2000 | Area Resource File |

\*Time series was adjusted to address structural due to transition from SIC to NAICS and NAICS revisions and missing data were multiply imputed with auxiliary information and weak priors using R package Amelia (Srebotnjak et al). At the time of analysis, 2009 data were not available. Therefore, 2008 data are used for 2009 as well.