S4 Fig. Decomposition of 2020 Indirectly Age Standardized Excess Death Rates across Strata of Sociodemographic and Health Factors\textsuperscript{a,b}

\textbf{Fig. 1. Decomposition of 2020 Indirectly Age Standardized Excess Death Rates across Strata of Sociodemographic and Health Factors\textsuperscript{a,b}}

\textsuperscript{a} n = 2,096 counties

\textsuperscript{b} Predicted death rates generated from primary model: 
\[ M(i) = \alpha + \beta_1M^*(i) + \beta_2C(i), \]
where \( M(i) = \) Death rate from all causes in county \( i \) in 2020, \( M^*(i) = \) Death rate from all causes, county \( i \) in 2013-2018, and \( C(i) = \) Covid-19 death rate in county \( i \) in 2020. The model was weighted by the 2020 population and fully stratified into population weighted quartiles for each sociodemographic or health factor. The death rates for the upper and lower 25\% of values for each factor are presented in this figure.