

State Level Mortality Estimates Based on Miller et al. 2019 NBER Working Paper 26081, by Sarah Miller and Laura R. Wherry

In Miller et al. 2019, we estimate that expanding Medicaid coverage through the Affordable Care Act reduced mortality rates by 0.13 percentage points among disadvantaged adults between the ages of 55 and 64.¹ In this document we provide supplemental estimates of the predicted number of excessive deaths (in non-expansion states) or averted deaths (in expansion states) by state.

To calculate these numbers, we first estimate the size of the population in each state that meets our sample criteria using the 2014 American Community Survey. We then multiply this population size by the 0.13 percentage point change in mortality rate associated with the ACA expansions. **Importantly, these calculations are based on an estimate of the average effect of the ACA Medicaid expansions among all expansion states. The true mortality decline associated with the policy for each state may be larger or smaller based on state-specific characteristics. In addition, the calculation for the number of excessive deaths in the non-expansion states assumes that these states would have also experienced a 0.13 percentage point decline in the mortality rate if they had expanded Medicaid.** These state specific estimates are reported in Tables 1 and 2 below.

¹See Miller et al. 2019, NBER Working Paper 26081 <https://www.nber.org/papers/w26081> for details on the sample definition.

Table 1: Excessive Deaths per Year, Non-Expansion States

State	Annual Excessive Deaths
Alabama	192
Florida	694
Georgia	334
Idaho	45
Kansas	72
Mississippi	135
Missouri	194
North Carolina	350
Oklahoma	119
South Carolina	197
South Dakota	21
Tennessee	241
Texas	730
Utah	54
Wisconsin	144
Wyoming	16

Table 2: Deaths Averted Annually, Expansion States

State	Deaths Averted Annually
Alaska	19
Arizona	202
Arkansas	110
California	1112
Colorado	130
Connecticut	76
Hawaii	39
Illinois	345
Indiana	199
Iowa	68
Kansas	72
Kentucky	176
Louisiana	191
Maine	45
Maryland	132
Michigan	299
Minnesota	115
Montana	33
Nebraska	38
Nevada	89
New Hampshire	30
New Jersey	207
New Mexico	71
North Dakota	11
Ohio	363
Oregon	121
Pennsylvania	369
Rhode Island	30
Virginia	225
Washington	172
West Virginia	87