

Table S1. Associations between vaccination rate and the counties' characteristics in the regression analyses, including the age group of 18-64 years.

	(M1) Model 1	(M2) Model 1 + Age_1864	(M3.1) Model 1 + Age_1864 + Race (White)	(M3.2) Model 1 + Age_1864 + Race (Black)	(M3.3) Model 1 + Age_1864 + Race (Asian)	(M3.4) Model 1 + Age_1864 + Race (Indian)	(M3.5) Model 1 + Age_1864 + Race (Hispanic)
R-squared	0.382	0.399	0.401	0.482	0.400	0.427	0.414
State (NM*)							
AZ	2.210 (0.206)	1.828 (0.290)	1.922 (0.267)	1.454 (0.366)	1.877 (0.278)	1.096 (0.518)	2.818 (0.117)
CO	-6.287 (<0.001)	-5.677 (<0.001)	-5.841 (<0.001)	-5.670 (<0.001)	-5.636 (<0.001)	-4.869 (<0.001)	-5.063 (<0.001)
OK	4.657 (<0.001)	5.026 (<0.001)	5.468 (<0.001)	6.343 (<0.001)	4.939 (<0.001)	4.085 (0.002)	6.087 (<0.001)
TX	3.453 (0.004)	3.813 (0.001)	3.895 (0.001)	6.816 (<0.001)	3.694 (0.002)	4.754 (<0.001)	4.315 (<0.001)
Unemployment	0.285 (0.251)	0.086 (0.731)	0.146 (0.570)	0.369 (0.119)	0.092 (0.714)	-0.096 (0.700)	0.121 (0.631)
Democrat	0.242 (<0.001)	0.254 (<0.001)	0.257 (<0.001)	0.263 (<0.001)	0.249 (<0.001)	0.244 (<0.001)	0.237 (<0.001)
Farm Worker	0.077 (0.220)	0.015 (0.819)	0.015 (0.815)	0.010 (0.866)	0.010 (0.877)	0.014 (0.821)	-0.006 (0.929)
Rural_pct	0.004 (0.711)	-0.003 (0.813)	-0.002 (0.845)	-0.004 (0.687)	0.00004 (0.997)	-0.009 (0.408)	0.004 (0.711)
HS graduate	-0.012 (0.765)	-0.014 (0.729)	-0.006 (0.891)	0.057 (0.138)	-0.021 (0.615)	-0.012 (0.752)	0.059 (0.287)
Income	8.077e-05 (<0.001)	7.919e-05 (<0.001)	7.592e-05 (0.001)	5.479e-05 (0.010)	7.7e-05 (0.001)	8.698e-05 (<0.001)	8.041e-05 (<0.001)
Age_1864		-0.265 (0.001)	-0.244 (0.002)	-0.064 (0.204)	-0.273 (<0.001)	-0.291 (<0.001)	-0.252 (0.001)
Race/ethnicity			0.034 (0.278)	-0.426 (<0.001)	0.143 (0.428)	0.179 (<0.001)	0.041 (0.054)

* refers to a reference category. All significant estimates are expressed in bold and p-values in parentheses.

Table S2. Associations between vaccination rate and the counties' characteristics in the regression analyses, including the median-age group.

	(M1) Model 1	(M2) Model 1 + Age_median	(M3.1) Model 1 + Age_median + Race (White)	(M3.2) Model 1 + Age_median + Race (Black)	(M3.3) Model 1 + Age_median + Race (Asian)	(M3.4) Model 1 + Age_median + Race (Indian)	(M3.5) Model 1 + Age_median + Race (Hispanic)
R-squared	0.382	0.402	0.403	0.489	0.402	0.435	0.413
State (NM*)							
AZ	2.210 (0.206)	2.332 (0.176)	2.388 (0.166)	1.675 (0.294)	2.378 (0.168)	1.594 (0.343)	3.798 (0.033)
CO	-6.287 (<0.001)	-6.045 (<0.001)	-6.178 (<0.001)	-5.725 (<0.001)	-6.026 (<0.001)	-5.171 (<0.001)	-5.052 (<0.001)
OK	4.657 (<0.001)	5.490 (<0.001)	5.908 (<0.001)	6.764 (<0.001)	5.427 (<0.001)	4.593 (<0.001)	7.206 (<0.001)
TX	3.453 (0.004)	3.842 (0.001)	3.927 (0.001)	6.932 (<0.001)	3.751 (0.002)	4.920 (<0.001)	4.668 (<0.001)
Unemployment	0.285 (0.251)	0.162 (0.513)	0.214 (0.394)	0.355 (0.122)	0.169 (0.495)	-0.044 (0.857)	0.183 (0.454)
Democrat	0.242 (<0.001)	0.240 (<0.001)	0.245 (<0.001)	0.258 (<0.001)	0.236 (<0.001)	0.228 (<0.001)	0.216 (<0.001)
Farm Worker	0.077 (0.220)	0.052 (0.405)	0.049 (0.432)	0.016 (0.789)	0.050 (0.428)	0.053 (0.385)	0.013 (0.832)
Rural_pct	0.004 (0.711)	-0.017 (0.174)	-0.016 (0.212)	-0.016 (0.166)	-0.015 (0.245)	-0.028 (0.024)	-0.009 (0.456)
HS graduate	-0.012 (0.765)	-0.075 (0.087)	-0.062 (0.167)	0.015 (0.712)	-0.080 (0.072)	-0.086 (0.043)	0.026 (0.636)
Income	8.077e-05 (<0.001)	8.225e-05 (<0.001)	7.874e-05 (0.001)	5.649e-05 (0.007)	8.069e-05 (<0.001)	9.130e-05 (<0.001)	8.414e-05 (<0.001)
Age_median		0.222 (<0.001)	0.207 (0.001)	0.149 (0.007)	0.224 (<0.001)	0.269 (<0.001)	0.248 (<0.001)
Race/ethnicity			0.034 (0.272)	-0.424 (<0.001)	0.105 (0.555)	0.196 (<0.001)	0.062 (0.004)

* refers to a reference category. All significant estimates are expressed in bold and p-values in parentheses.