

Appendix
U.S. State Preemption Laws and Working-Age Mortality
Wolf et al.

Appendix Table 1. Negative Binomial Regression Coefficients for Cause-of-Death Analyses, Women, 1999–2019

Explanatory variables	Cause of death				
	Suicide	Homicide	Drug overdose	Alcohol	Transport accidents
Minimum wage (\$)	−0.00377 (0.49)	−0.0121 (0.83)	0.000613 (0.03)	−0.0264 (0.77)	−0.0163 (0.71)
PSL hours	−0.000433 (0.72)	−0.00235** (3.03)	−0.00231 (1.19)	−0.00412** (2.77)	0.000804 (1.08)
Proportion Black	−0.919*** (11.23)	1.559*** (8.85)	−1.119*** (5.73)	−0.373 (1.43)	−0.265** (2.70)
Proportion Hispanic	−1.269*** (9.33)	−0.0825 (0.47)	−1.482*** (5.61)	−0.876*** (4.52)	−0.62*** (3.93)
Proportion Other races	−0.577 (1.96)	−0.303 (0.70)	−1.743*** (6.67)	2.158*** (3.54)	−0.445 (0.69)
Proportion 35–44 years old	−2.62*** (3.83)	−2.864*** (4.30)	−7.605*** (8.42)	−10.24*** (6.66)	0.371 (0.46)
Proportion 45–54 years old	−0.809 (1.70)	−2.207** (2.70)	−1.282 (1.90)	0.958 (0.92)	0.0638 (0.14)
Proportion 55–64 years old	0.909* (2.35)	0.743 (1.02)	−1.402** (2.99)	−1.49 (1.46)	1.574** (3.19)
Unemployment rate	0.538 (1.42)	1.542* (2.24)	3.345*** (5.92)	4.937*** (5.03)	1.148** (2.86)
Employment rate	−0.494*** (3.89)	−1.388*** (7.71)	−1.224*** (5.23)	−0.0117 (0.03)	−1.442*** (6.79)
ACA Medicaid expansion	0.0416 (1.62)	0.0135 (0.40)	0.166** (2.74)	0.058 (0.73)	0.00615 (0.22)
Sample size	263,172	263,172	263,172	150,384	263,172

Note: *t* statistics in parentheses; *p*-values indicated by * (0.05), ** (0.01), and *** (0.001). Alcohol data covers years 2008 through 2019. Models also include fixed effects for location (state-by-urbanicity code), year, and quarter; SEs are clustered at the state level.

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Appendix Table 2. Negative Binomial Regression Coefficients for Cause-of-Death Analyses, Men, 1999–2019

Explanatory variables	Cause of death				
	Suicide	Homicide	Drug overdose	Alcohol	Transport accidents
Minimum wage (\$)	−0.00216 (0.36)	−0.017 (0.92)	0.00902 (0.46)	−0.0421 (1.42)	−0.0112 (0.92)
PSL hours	−0.000898* (2.41)	−0.00207* (2.03)	−0.00127 (0.70)	−0.000529 (0.36)	0.000269 (0.37)
Proportion Black	−0.77*** (9.55)	3.166*** (13.03)	−0.861*** (3.88)	−0.0484 (0.21)	0.131 (1.11)
Proportion Hispanic	−0.953*** (10.44)	0.716*** (3.57)	−0.578* (2.04)	−0.118 (0.54)	−0.107 (0.68)
Proportion Other races	−0.867* (2.49)	1.031* (1.99)	−0.812** (2.84)	3.002*** (4.93)	0.0204 (0.04)
Proportion 35–44 years old	−1.309*** (4.67)	−4.389*** (4.81)	−5.846*** (6.10)	−5.345*** (5.21)	−0.107 (0.16)
Proportion 45–54 years old	−0.18 (0.66)	−3.565*** (6.57)	−1.344* (2.18)	−3.379*** (3.31)	0.841* (2.52)
Proportion 55–64 years old	1.542*** (7.15)	2.658*** (4.28)	0.811 (1.73)	1.857** (2.77)	2.934*** (8.40)
Unemployment rate	1.26** (3.03)	3.274*** (4.44)	3.471*** (4.74)	5.397*** (7.31)	1.098** (2.90)
Employment rate	−0.595*** (4.53)	−0.743** (2.68)	−0.851** (3.15)	0.0472 (0.17)	−0.958*** (4.31)
ACA Medicaid expansion	−0.0104 (0.59)	−0.00535 (0.15)	0.17* (2.47)	0.0529 (1.15)	−0.0148 (0.61)
Sample size	263,172	263,172	263,172	150,384	263,172

Note: *t* statistics in parentheses; *p*-values indicated by * (0.05), ** (0.01), and *** (0.001). Alcohol data covers years 2008 through 2019. Models also include fixed effects for location (state-by-urbanicity code), year, and quarter; SEs are clustered at the state level.

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Appendix Table 3. Counties That Achieved, or Attempted to Achieve, Minimum Wage or Paid Sick Leave Requirements Above State Levels

	State	County	Locality ^a	RUCC category	FIPS code	MW ever GT state	PSL ever GT state	Ever preempted	Preempted MW	Preempted PSL hours
1	AL	Jefferson	Birmingham	Large central metro	1073	0	0	1	\$10.10	
2	AZ	Coconino	Flagstaff	Small metro	4005	1	0	0		
3	CA	Alameda	Berkeley ^b	Large central metro	6001	1	1	0		
4	CA	Contra Costa	El Cerrito ^c	Large fringe metro	6013	1	0	0		
5	CA	Los Angeles		Large central metro	6037	1	1	0		
6	CA	San Diego	San Diego	Large central metro	6073	1	1	0		
7	CA	San Francisco		Large central metro	6075	1	1	0		
8	CA	San Mateo	Belmont ^d	Large fringe metro	6081	1	0	0		
9	CA	Santa Clara	Cupertino ^e	Large central metro	6085	1	0	0		
10	FL	Miami-Dade		Large central metro	12086	0	0	1	\$10.31	
11	FL	Orange		Large central metro	12095	0	0	1		56
12	IA	Johnson		Small metro	19103	1	0	1	\$10.10	
13	IA	Lee		Micropolitan	19111	0	0	1	\$8.25	
14	IA	Linn		Medium metro	19113	1	0	1	\$10.25	
15	IA	Polk		Medium metro	19153	0	0	1	\$10.75	
16	IA	Wapello		Micropolitan	19179	1	0	1	\$10.00	
17	IL	Cook		Large central metro	17031	1	1	0		
18	KY	Fayette	Lexington	Medium metro	21067	1	0	1	\$10.10	
19	KY	Jefferson	Louisville	Large central metro	21111	1	0	1	\$10.10	
20	MD	Montgomery		Large fringe metro	24031	1	1	0		
21	MD	Prince George's		Large fringe metro	24033	1	0	0		
22	ME	Cumberland	Portland	Medium metro	23005	1	0	0		
23	MN	Hennepin	Minneapolis	Large central metro	27053	1	1	0		
24	MN	Ramsey	St. Paul	Large central metro	27123	0	1	0		
25	MO	Jackson	Kansas City	Large central metro	29095	0	0	1	\$15.00	
26	MO	St. Louis		Large fringe metro	29189	0	0	1	\$11.00	
27	NJ	Essex	Bloomfield ^f	Large central metro	34013	0	1	0		
28	NJ	Hudson	Jersey City	Large central metro	34017	0	1	0		
29	NJ	Mercer	Trenton	Medium metro	34021	0	1	0		
30	NJ	Middlesex	New Brunswick	Large fringe metro	34023	0	1	0		
31	NJ	Morris	Morristown	Large fringe metro	34027	0	1	0		
32	NJ	Passaic	Passaic ^g	Large fringe metro	34031	0	1	0		
33	NJ	Union	Elizabeth ^h	Large central metro	34039	0	1	0		
34	NM	Bernalillo	Albuquerque	Medium metro	35001	1	0	0		

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35	NM	Dona Ana	Las Cruces	Small metro	35013	1	0	0		
36	NM	Santa Fe	Santa Fe	Small metro	35049	1	0	0		
37	OH	Cuyahoga	Cleveland	Large central metro	39035	0	0	1	\$15.00	
38	OK	Oklahoma	Oklahoma City	Large central metro	40109	0	0	1	\$10.10	
39	PA	Philadelphia		Large central metro	42101	0	1	0		
40	TX	Bexar	San Antonio	Large central metro	48029	0	0	1		64
41	TX	Dallas	Dallas	Large central metro	48113	0	1	1		64
42	TX	Travis	Austin	Large central metro	48453	0	0	1		64
43	WA	King	Seattle ⁱ	Large central metro	53033	1	1	0		
44	WA	Pierce	Tacoma	Large fringe metro	53053	1	1	0		
45	WA	Spokane	Spokane	Medium metro	53063	0	1	0		
46	WI	Calumet	(part of) Appleton ^j	Small metro	55015	0	0	1	\$10.10	
47	WI	Dane		Medium metro	55025	0	0	1	\$10.10	
48	WI	Eau Claire		Small metro	55035	0	0	1	\$10.10	
49	WI	Kenosha		Large fringe metro	55059	0	0	1	\$10.10	
50	WI	Milwaukee		Large central metro	55079	0	0	1	\$10.10	
51	WI	Outagamie	(part of) Appleton	Small metro	55087	0	0	1	\$10.10	
52	WI	Winnebago	(part of) Appleton ^k	Small metro	55139	0	0	1	\$10.10	

Sources: numerous, including compilations produced by U.C. Berkeley Labor Center, A Better Balance, and National Partnership for Women and Families; Ballotpedia website; media reports; state, county, and city websites.

^a if blank, entire county covered by MW and/or PSL mandate.

^b also Emeryville, Oakland, and San Leandro

^c also Richmond

^d also San Mateo

^e also Los Altos, Milpitas, Mountain View, Palo Alto, San Jose, Santa Clara, and Sunnyvale

^f also East Orange, Irvington, Montclair, and Newark

^g also Patterson

^h also Plainfield

ⁱ also SeaTac

^j also part of Menasha

^k also part of Menasha; Neenah