

APPENDIX TABLES

Table A1. Summary statistics for all variables included in the analysis.

Variable	Mean	Std. Dev	Min	Max	n valid
Fire-related deaths (CDC data)	69.69	52.31	10	250	685
Residential fire-related deaths (CDC data)	42.78	25.5	10	152	547
Cigarette-related fires (NFIRS data)	323.4	389.87	0	2232	787
Cigarette-related fire deaths (NFIRS data)	2.29	3.14	0	25	759
Fire events (NFIRS data)	11602	11702	3	76688	787
Fire-related deaths (NFIRS data)	40.35	37.55	1	197	759
Population size	5871569	6561914	491780	38802500	816
Per capita ethanol consumption (in gallons)	2.29	.52	1.27	4.7	816
Per capita cigarette consumption (in packs)	66.76	28.94	15.4	185.2	816
Per capita disposable income (in US dollars)	32808	7102	18555	59599	816
Percent of the population aged over 65 years	13.07	1.87	5.48	19.06	816
Percent of fire events with unknown cause (NFIRS)	41.05	9.64	17.69	82.42	787
Percent of fire fatalities with unknown cause (NFIRS)	53.76	20.57	0	100	759
Smoking-unrelated fires (NFIRS data)	6380.1	6475.0	2	42293	787
Smoking-unrelated fire deaths (NFIRS data)	15	14.39	0	88	759
State fire safe cigarette law indicator	.38	.49	0	1	816
Adult smoking prevalence (% , average 1999-2011)	20.44	2.86	12.4	27.5	51

Notes: All variables are presented as they appear in the state-years dataset, except for average adult smoker prevalence (1998-2011), which we treated as a

fixed state variable. The CDC data is suppressed for counts below 10 due to CDC data policy.

Table A2. The effects of fire safe cigarette laws in state groups defined by adoption order.

	Treating prior to 2009 as early		Treating prior to 2010 as early	
	Early adopters	Late adopters	Early adopters	Late adopters
<i>Outcome (IRR, 95% CI)</i>				
All-cause fire mortality	1.03 (0.94-1.14)	0.92 (0.82-1.03)	0.95 (0.90-1.01)	0.95 (0.82-1.11)
Residential fire mortality	1.00 (0.89-1.12)	0.94 (0.82-1.09)	0.94 (0.88-1.01)	1.07 (0.94-1.22)
Cigarette-caused fires	1.07 (0.76-1.51)	0.99 (0.81-1.20)	1.20 (0.92-1.58)	1.46 (1.27-1.67)
Cigarette-caused fire mortality	0.84 (0.51-1.39)	0.67 (0.40-1.09)	0.89 (0.64-1.23)	0.97 (0.33-2.82)
State effects	Yes	Yes	Yes	Yes
Year effects	Yes	Yes	Yes	Yes
State-specific trends	Yes	Yes	Yes	Yes
Time-varying covariates	Yes	Yes	Yes	Yes
N states	18	33	33	18

Notes: Poisson regression models with clustered-robust standard errors were used to estimate the effects while accounting for correlated errors within states.

The dependent variable is offset by population size (per state-year) in all models. IRR = Incidence rate ratio, CI = Confidence interval. The time-varying covariates included are per capita disposable income, cigarette sales, ethanol consumption, and the percent of the population aged 65 years and above, as well as the proportion of events with unknown ignition source (cigarette-caused fires and cigarette-caused fire mortality only).