

Supplemental Table S3. Falsification tests: Association between state firearm laws and firearm vs. non-firearm homicide, 1991-2016^a

		Regression Coefficient, Fully Adjusted Model [All Laws Entered Together] (95% CI)	
	Total homicide rate (from Table 3)	Firearm homicide rate	Non-firearm homicide rate
Firearm laws			
Universal background checks	-0.161^b (-0.269, -0.053)	-0.166^b (-0.297, -0.034)	-0.020 (-0.110, 0.071)
Violent misdemeanor is prohibiting for handgun	-0.200^b (-0.316, -0.084)	-0.332^b (-0.504, -0.161)	0.045 (-0.063, 0.153)
Age 21 limit for handgun possession	-0.068 (-0.200, 0.064)	-0.069 (-0.250, 0.111)	-0.045 (-0.132, 0.042)
Shall issue law	0.086^b (0.011, 0.160)	0.140^b (0.046, 0.234)	0.004 (-0.070, 0.078)
Permitless carry law	0.015 (-0.101, 0.131)	0.028 (-0.140, 0.197)	-0.013 (-0.128, 0.101)
Trafficking prohibited	0.005 (-0.050, 0.061)	0.019 (-0.076, 0.114)	-0.001 (-0.080, 0.078)
Junk gun ban	-0.010 (-0.136, 0.116)	-0.002 (-0.205, 0.200)	0.070 (-0.030, 0.170)
Stand Your Ground law	0.009 (-0.050, 0.067)	0.050 (-0.039, 0.140)	-0.054 (-0.122, 0.014)
Ban on assault weapons	-0.092 (-0.222, 0.039)	-0.146 (-0.349, 0.056)	0.007 (-0.071, 0.084)
Ban on large capacity ammunition magazines	0.038 (-0.036, 0.112)	0.054 (-0.060, 0.167)	-0.028 (-0.097, 0.042)
<i>R</i> ²	<i>0.94</i>	<i>0.93</i>	<i>0.82</i>

CI = confidence interval.

^aOutcome variable is the log of the age-adjusted total homicide rate. All models include year and state fixed effects.

Standard errors are robust and adjusted for state-level clustering.

^bCoefficient is statistically significant from zero (p<0.05). Also shown in **bold** type.

Supplemental Table S4. Falsification tests: Association between state firearm laws and firearm vs. non-firearm suicide, 1991-2016^a

	Total suicide rate (from Table 4)	Regression Coefficient, Fully Adjusted Model [All Laws Entered Together] (95% CI)	
		Firearm suicide rate	Non-firearm suicide rate
Firearm laws			
Universal background checks	-0.010 (-0.033, 0.053)	-0.030 (-0.090, 0.030)	-0.013 (-0.057, 0.031)
Violent misdemeanor is prohibiting for handgun	-0.043 (-0.090, 0.004)	-0.031 (-0.075, 0.012)	0.005 (-0.058, 0.068)
Age 21 limit for handgun possession	-0.030 (-0.070, 0.010)	-0.060^b (-0.118, -0.001)	-0.044^b (-0.087, -0.001)
Shall issue law	0.004 (-0.022, 0.029)	0.016 (-0.012, 0.043)	0.002 (-0.033, 0.037)
Permitless carry law	0.050^b (0.002, 0.099)	0.062 (-0.020, 0.144)	0.059 (-0.010, 0.129)
Trafficking prohibited	-0.002 (-0.043, 0.038)	-0.003 (-0.049, 0.043)	-0.049^b (-0.079, -0.018)
Junk gun ban	-0.066^b (-0.097, -0.036)	-0.135^b (-0.179, -0.091)	-0.057^b (-0.101, -0.013)
Stand Your Ground law	-0.018 (-0.037, 0.001)	-0.008 (-0.037, 0.021)	0.010 (-0.022, 0.042)
Ban on assault weapons	0.001 (-0.063, 0.066)	-0.040 (-0.105, 0.025)	0.026 (-0.042, 0.094)
Ban on large capacity ammunition magazines	-0.004 (-0.053, 0.046)	0.030 (-0.025, 0.086)	-0.016 (-0.079, 0.046)
<i>R</i> ²	<i>0.94</i>	<i>0.97</i>	<i>0.91</i>

CI = confidence interval.

^aOutcome variable is the log of the age-adjusted total suicide rate. All models include year and state fixed effects. Standard errors are robust and adjusted for state-level clustering.

^bCoefficient is statistically significant from zero (p<0.05). Also shown in **bold** type.

Supplemental Table S5. Linear regression model results when year is entered as a continuous variable

	Homicide ^a Regression Coefficient (95% CI)	Suicide ^a Regression Coefficient (95% CI)
Firearm laws		
Universal background checks	-0.158^b (-0.281, -0.034)	0.030 (-0.022, 0.082)
Violent misdemeanor is prohibiting for handgun possession	-0.152^b (-0.259, -0.046)	-0.031 (-0.080, 0.018)
Age 21 limit for handgun possession	-0.107 (-0.230, 0.017)	-0.065^b (-0.099, -0.031)
Shall issue law	0.075 (-0.001, 0.151)	-0.001 (-0.027, 0.024)
Permitless carry law	0.021 (-0.079, 0.122)	0.041 (-0.007, 0.089)
Trafficking prohibited	0.007 (-0.049, 0.063)	-0.013 (-0.059, 0.034)
Junk gun ban	0.000 (-0.128, 0.127)	-0.070^b (-0.100, -0.040)
Stand Your Ground law	0.022 (-0.030, 0.075)	0.006 (-0.015, 0.026)
Ban on assault weapons	-0.066 (-0.186, 0.055)	0.011 (-0.033, 0.055)
Ban on large capacity ammunition magazines	0.037 (-0.042, 0.117)	0.001 (-0.048, 0.051)
<i>R</i> ²	<i>0.93</i>	<i>0.94</i>

CI = confidence interval.

^aOutcome variable is the log of the age-adjusted total homicide or suicide rate. All models include state fixed effects and year is entered as a continuous variable. Standard errors are robust and adjusted for state-level clustering.

^bCoefficient is statistically significant from zero (p<0.05). Also shown in **bold** type.