Appendix B:
Robustness Exhibits

Appendix Table B1. OLS Estimates of Effect of Seasonality on State-Level Teenage (Ages 12-to-18) Suicide Rate, 1990-2019 vs. 2020

	1990-2019			2020	
	(1)	(2)	(3)	(4)	(5)
February	-0.422***	-0.422***	-0.423***	-1.352	-1.352
	(0.114)	(0.115)	(0.115)	(0.844)	(0.844)
March	0.00283	0.00283	0.00209	-2.499***	-2.499***
	(0.134)	(0.134)	(0.134)	(0.863)	(0.863)
April	0.0424	0.0424	0.0413	-2.212**	-2.212**
	(0.156)	(0.156)	(0.156)	(0.827)	(0.827)
May	-0.150	-0.150	-0.151	-3.318***	-3.318***
	(0.150)	(0.150)	(0.150)	(0.799)	(0.799)
June	-1.341***	-1.341***	-1.342***	-2.499***	-2.499***
	(0.141)	(0.141)	(0.141)	(0.731)	(0.731)
July	-1.356***	-1.356***	-1.357***	-3.154***	-3.154***
	(0.168)	(0.168)	(0.168)	(0.918)	(0.918)
August	-0.959***	-0.959***	-0.960***	-1.597**	-1.597**
	(0.138)	(0.138)	(0.139)	(0.748)	(0.748)
September	-0.493***	-0.493***	-0.494***	-0.369	-0.369
	(0.169)	(0.170)	(0.171)	(0.789)	(0.789)
October	0.112	0.112	0.111	0.655	0.655
	(0.163)	(0.163)	(0.164)	(0.900)	(0.900)
November	-0.455***	-0.455***	-0.456***	-0.860	-0.860
	(0.142)	(0.142)	(0.144)	(0.847)	(0.847)
December	-1.167***	-1.167***	-1.168***	-1.884**	-1.884**
	(0.147)	(0.147)	(0.148)	(0.905)	(0.905)
State Unemployment Rate			-0.110		
			(0.0805)		
State Divorce Rate			0.200		
			(0.171)		
State Personal Income (0000s), $2020			-0.429		
			(0.562)		
State Anti-Bullying Law			-0.404*		
			(0.218)		
Mean of Dep. Var.	5.635	5.635	5.635	7.134	7.134
	(4.648)	(4.648)	(4.648)	(5.314)	(5.314)
Observations	18,360	18,360	18,360	612	612
State Fixed Effects?	No	Yes	Yes	No	Yes
Year Fixed Effects?	No	Yes	Yes	No	No
State-by-Year Controls?	No	No	Yes	No	No

*** p<0.01, ** p<0.05, * p<0.1 Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each state. Per-capita income has been adjusted to 2020 dollars.

Appendix Table B2. OLS Estimates of Differential Effect of Seasonality on State-Level Teenage (Ages 12-to-18) Suicides, 2020 vs 2000-2019

	(1)	(2)	(3)
February*Year_2020	-0.929	-0.929	-0.933
	(0.842)	(0.842)	(0.842)
March*Year_2020	-2.501***	-2.501***	-2.574***
	(0.874)	(0.874)	(0.877)
April*Year_2020	-2.254**	-2.254**	-3.331**
	(0.867)	(0.868)	(1.484)
May*Year_2020	-3.168***	-3.168***	-4.094***
	(0.817)	(0.817)	(1.371)
June*Year_2020	-1.158	-1.158	-1.894
	(0.714)	(0.714)	(1.200)
July*Year_2020	-1.798*	-1.798*	-2.451**
	(0.915)	(0.915)	(1.172)
August*Year_2020	-0.638	-0.638	-1.149
	(0.744)	(0.744)	(0.932)
September*Year_2020	0.124	0.124	-0.303
	(0.798)	(0.799)	(0.918)
October*Year_2020	0.544	0.544	0.194
	(0.943)	(0.944)	(0.989)
November*Year_2020	-0.405	-0.405	-0.726
	(0.864)	(0.865)	(0.988)
December*Year_2020	-0.717	-0.717	-1.024
	(0.891)	(0.892)	(0.991)
February	-0.422***	-0.422***	-0.423***
	(0.114)	(0.115)	(0.115)
March	0.00283	0.00283	0.00209
	(0.134)	(0.134)	(0.134)
April	0.0424	0.0424	0.0413
	(0.156)	(0.156)	(0.156)
May	-0.150	-0.150	-0.151
	(0.150)	(0.150)	(0.150)
June	-1.341***	-1.341***	-1.342***
	(0.141)	(0.141)	(0.141)
July	-1.356***	-1.356***	-1.357***
	(0.168)	(0.168)	(0.168)
August	-0.959***	-0.959***	-0.960***
	(0.138)	(0.138)	(0.139)
September	-0.493***	-0.493***	-0.494***
	(0.169)	(0.170)	(0.171)
October	0.112	0.112	0.111
	(0.163)	(0.163)	(0.164)
November	-0.455***	-0.455***	-0.456***
	(0.142)	(0.143)	(0.144)
December	-1.167***	-1.167***	-1.168***
	(0.147)	(0.147)	(0.148)

State Unemployment Rate			-0.0497
			(0.0606)
State Divorce Rate			-0.171
			(0.119)
State Personal Income (0000s), $2020			-0.409
			(0.440)
State Anti-Bullying Law			-0.0633
			(0.245)
Mean of Dep. Var.	5.685	5.685	5.685
	(4.679)	(4.679)	(4.679)
Observations	18,972	18,972	18,972
State Fixed Effects?	No	Yes	Yes
Year Fixed Effects?	No	Yes	Yes
State-by-Year Controls?	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each state. Per-capita income has been adjusted to 2020 dollars. A variable indicating post-2020 has been interacted with all month dummies, control variables, and state fixed effects.

Appendix Table B3. OLS Estimates of Effect of Seasonality on State-Level Young Adult (Ages 19-to-25) Suicides, 1990-2019 vs. 2020

	1990-2019			2020	
	(1)	(2)	(3)	(4)	(5)
February	-1.624***	-1.624***	-1.625***	-0.317	-0.317
	(0.202)	(0.203)	(0.203)	(1.356)	(1.356)
March	0.122	0.122	0.121	1.504	1.504
	(0.201)	(0.201)	(0.201)	(1.361)	(1.361)
April	-0.102	-0.102	-0.104	-0.594	-0.594
	(0.220)	(0.220)	(0.220)	(1.104)	(1.104)
May	0.359*	0.359*	0.356*	0.0396	0.0396
	(0.210)	(0.211)	(0.211)	(1.498)	(1.498)
June	-0.256	-0.256	-0.259	0.158	0.158
	(0.222)	(0.222)	(0.223)	(1.280)	(1.280)
July	0.420	0.420	0.416	3.719**	3.719**
	(0.267)	(0.267)	(0.267)	(1.442)	(1.442)
August	0.496***	0.496***	0.492***	1.701	1.701
	(0.168)	(0.168)	(0.168)	(1.285)	(1.285)
September	-0.152	-0.152	-0.156	3.284***	3.284***
	(0.185)	(0.185)	(0.185)	(1.220)	(1.220)
October	0.222	0.222	0.218	2.532**	2.532**
	(0.210)	(0.210)	(0.209)	(1.000)	(1.000)
November	-0.656***	-0.656***	-0.661***	0.791	0.791
	(0.162)	(0.163)	(0.162)	(0.997)	(0.997)
December	-1.004***	-1.004***	-1.010***	-0.633	-0.633
	(0.216)	(0.216)	(0.216)	(1.193)	(1.193)
State Unemployment Rate			-0.110		
			(0.0781)		
State Divorce Rate			-0.0954		
			(0.127)		
State Personal Income (0000s), $2020			-1.127*		
			(0.602)		
State Anti-Bullying Law			-0.0200		
			(0.245)		
Mean of Dep. Var	13.829	13.829	13.829	17.634	17.634
	(7.251)	(7.251)	(7.251)	(8.933)	8.933)
Observations	18,360	18,360	18,360	612	612
State Fixed Effects?	No	Yes	Yes	No	Yes
Year Fixed Effects?	No	Yes	Yes	No	Yes
State-by-Year Controls?	No	No	Yes	No	No

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each state. Per-capita income has been adjusted to 2020 dollars.

Appendix Table B4. OLS Estimates of Differential Effect of Seasonality on State-Level Young Adult Suicides, 2020 vs 2000-2019

	(1)	(2)	(3)
February*Year_2020	1.308	1.308	1.329
	(1.391)	(1.392)	(1.395)
March*Year_2020	1.381	1.381	1.743
	(1.385)	(1.387)	(1.381)
April*Year_2020	-0.492	-0.492	4.910*
	(1.117)	(1.118)	(2.639)
May*Year_2020	-0.319	-0.319	4.329*
	(1.477)	(1.478)	(2.376)
June*Year_2020	0.414	0.414	4.109*
	(1.388)	(1.389)	(2.104)
July*Year_2020	3.299**	3.299**	6.581***
	(1.493)	(1.494)	(2.283)
August*Year_2020	1.205	1.205	3.769*
	(1.308)	(1.309)	(1.878)
September*Year_2020	3.436***	3.436***	5.589***
	(1.189)	(1.190)	(1.520)
October*Year_2020	2.310**	2.310**	4.071***
	(0.989)	(0.989)	(1.234)
November*Year_2020	1.448	1.448	3.067**
	(0.989)	(0.990)	(1.314)
December*Year_2020	0.371	0.371	1.920
	(1.244)	(1.245)	(1.319)
February	-1.624***	-1.624***	-1.625***
	(0.202)	(0.203)	(0.203)
March	0.122	0.122	0.121
	(0.201)	(0.201)	(0.201)
April	-0.102	-0.102	-0.104
	(0.220)	(0.220)	(0.221)
May	0.359*	0.359*	0.356*
	(0.210)	(0.211)	(0.211)
June	-0.256	-0.256	-0.259
	(0.222)	(0.222)	(0.223)
July	0.420	0.420	0.416
	(0.267)	(0.267)	(0.267)
August	0.496***	0.496***	0.492***
	(0.168)	(0.168)	(0.169)
September	-0.152	-0.152	-0.156
	(0.185)	(0.185)	(0.185)
October	0.222	0.222	0.218
	(0.210)	(0.210)	(0.209)
November	-0.656***	-0.656***	-0.661***
	(0.162)	(0.163)	(0.162)
December	-1.004***	-1.004***	-1.010***
	(0.216)	(0.216)	(0.216)

State Unemployment Rate			-0.110
			(0.0781)
State Divorce Rate			-0.0954
			(0.127)
State Personal Income (0000s), $2020			-1.127*
			(0.602)
State Anti-Bullying Law			-0.0200
			(0.245)
Mean of Dep. Var.	13.958	13.958	13.958
	(7.346)	(7.346)	(7.346)
Observations	18,972	18,972	18,972
State Fixed Effects?	No	Yes	Yes
Year Fixed Effects?	No	Yes	Yes
State-by-Year Controls?	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each state. Per-capita income has been adjusted to 2020 dollars. A variable indicating post-2020 has been interacted with all month dummies, control variables, and state fixed effects.

Appendix Table B5. OLS Estimates of Effect of State-Level K-12 Foot Traffic on Teenage and Young Adult Suicides, 2019 vs 2020

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Teenagers Ages 12-to-18				**Young Adults Ages 19-to-25**			
	2019		2020		2019		2020	
K-12 Foot Traffic	0.299**	0.298**	0.217***	0.674**	0.0180	0.0197	-0.0329	-0.137
	(0.118)	(0.121)	(0.0841)	(0.263)	(0.0421)	(0.0432)	(0.0441)	(0.112)
Restaurant-Bar Foot Traffic		-0.0360		-0.258		0.0414		0.226*
		(0.228)		(0.217)		(0.177)		(0.124)
Any COVID Deaths				0.395*				-0.0156
				(0.211)				(0.0649)
County Death Rate				0.00694				0.00854***
				(0.00968)				(0.00278)
Observations	612	612	612	612	612	612	612	612
State Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Restaurant-Bar Foot Traffic?	No	Yes	No	Yes	No	Yes	No	Yes
COVID-19 Deaths?	No	No	No	Yes	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each state. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.

Appendix Table B6. Estimates of Standard Errors in Table 6 Using County-Level Clustering of Standard Errors

	Teenagers Ages 12-to-18					Young Adults Ages 19-to-25				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
K-12 Foot Traffic	0.152***	0.186***	0.219***	0.125**	0.140**	-0.0325	-0.0134	-0.0160	-0.000408	-0.000943
	(0.0389)	(0.0427)	(0.0556)	(0.0613)	(0.0617)	(0.0221)	(0.0215)	(0.0245)	(0.0238)	(0.0240)
Restaurant Foot Traffic			0.0834	0.158**	0.157**			0.0830**	0.0693	0.0639
			(0.0556)	(0.0654)	(0.0660)			(0.0415)	(0.0430)	(0.0435)
Any COVID Deaths			0.0805	0.0851	0.0710			0.0527	0.0488	0.0478
			(0.0513)	(0.0619)	(0.0626)			(0.0380)	(0.0380)	(0.0383)
County Death Rate			0.957**	0.769	1.100			0.322	0.370	0.318
			(0.460)	(0.677)	(0.688)			(0.433)	(0.434)	(0.440)
Personal Income			-0.0644	-0.0572	0.0167			-0.288**	-0.290**	-0.156
			(0.210)	(0.196)	(0.219)			(0.147)	(0.147)	(0.160)
Unemployment Rate			0.0385**	0.0396**	0.0443**			-0.00149	-0.00174	0.00216
			(0.0173)	(0.0180)	(0.0190)			(0.0106)	(0.0106)	(0.0113)
Divorce Rate			0.0977	0.0919	0.195*			0.115*	0.116**	0.117
			(0.134)	(0.0940)	(0.117)			(0.0592)	(0.0592)	(0.0828)
Observations	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Census Division-by-Year FE?	No	No	No	No	Yes	No	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the county level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.

Appendix Table B7. Poisson Estimates of Effect of County-Level K-12 Foot Traffic on Teenage and Young Adult Suicides, 2020 Only

	Teenagers Ages 12-to-18					Young Adults Ages 19-to-25				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
K-12 Foot Traffic	0.207***	0.207***	0.230***	0.110	0.110	-0.0430	-0.0430	-0.0532	-0.0256	-0.0256
	(0.0602)	(0.0602)	(0.0879)	(0.105)	(0.105)	(0.0360)	(0.0360)	(0.0495)	(0.0485)	(0.0485)
Restaurant Foot Traffic			0.125	0.284*	0.284*			0.0779	0.0480	0.0480
			(0.154)	(0.160)	(0.160)			(0.0567)	(0.0525)	(0.0525)
Any COVID Deaths			0.0639	0.0886	0.0886			0.0265	0.0175	0.0175
			(0.0555)	(0.0553)	(0.0553)			(0.0458)	(0.0455)	(0.0455)
County Death Rate			1.708***	1.292**	1.292**			0.342	0.457	0.457
			(0.599)	(0.582)	(0.582)			(0.536)	(0.523)	(0.523)
Observations	37,364	37,364	37,364	37,364	37,364	37,364	37,364	37,364	37,364	37,364
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Year-Specific Census Division FE?	No	No	No	No	Yes	No	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.

Appendix Table B8. OLS Estimates of Effect of State-Level K-12 Foot Traffic on Teenage and Young Adult Suicide Rates, Pooled 2019 and 2020

	Teenagers Ages 12-to-18					Young Adults Ages 19-to-25				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
K-12 Foot Traffic	1.154**	1.521***	2.444***	1.527	1.733*	-0.626	-0.219	-0.826	-0.716	-0.863
	(0.449)	(0.506)	(0.527)	(1.028)	(0.985)	(0.409)	(0.413)	(0.646)	(0.920)	(0.967)
Restaurant Foot Traffic			-0.547	0.775	0.790			2.223*	2.068	2.314
			(0.945)	(1.345)	(1.290)			(1.201)	(1.717)	(1.854)
Any COVID Deaths			0.982	0.899	0.788			2.695**	2.705**	2.991**
			(0.650)	(0.646)	(0.691)			(1.226)	(1.237)	(1.277)
County Death Rate			8.734*	8.353*	10.50**			-15.51*	-15.47*	-18.69**
			(4.826)	(4.798)	(4.921)			(9.149)	(9.121)	(9.230)
Personal Income			-2.092	-1.350	6.481			-5.347	-5.439*	-9.313
			(3.787)	(3.961)	(6.538)			(3.191)	(3.228)	(6.870)
Unemployment Rate			-0.0502	-0.0349	-0.00769			-0.244**	-0.246**	-0.274**
			(0.0739)	(0.0705)	(0.0736)			(0.0974)	(0.1000)	(0.105)
Divorce Rate			-0.0989	-0.250	0.375			1.731**	1.748**	2.091*
			(0.913)	(0.946)	(0.905)			(0.815)	(0.837)	(1.184)
Observations	1,104	1,104	1,104	1,104	1,104	1,104	1,104	1,104	1,104	1,104
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Census Division-by-Year FE?	No	No	No	No	Yes	No	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.

Appendix Table B9. Sensitivity of Estimates in Table 7 to use of County-Level Clustering of Standard Errors

	Teenagers Ages 12-to-18			Young Adults Ages 19-to-25		
	(1)	(2)	(3)	(4)	(5)	(6)
K-12 Foot Traffic >=80%	0.231***	0.132*	0.143**	-0.0258	-0.00672	-0.00971
	(0.0570)	(0.0689)	(0.0693)	(0.0359)	(0.0428)	(0.0430)
50% <=K-12 Foot Traffic <80%	0.190***	0.100	0.104	-0.0355	-0.0180	-0.0185
	(0.0533)	(0.0643)	(0.0645)	(0.0342)	(0.0406)	(0.0405)
20% <= K-12 Foot Traffic <50%	0.105**	0.0739	0.0716	-0.0279	-0.0224	-0.0255
	(0.0494)	(0.0516)	(0.0518)	(0.0295)	(0.0305)	(0.0306)
Observations	74,660	74,660	74,660	74,660	74,660	74,660
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	Yes	Yes	Yes	Yes	Yes	Yes
COVID-19 Deaths?	Yes	Yes	Yes	Yes	Yes	Yes
Macro Econ Controls?	Yes	Yes	Yes	Yes	Yes	Yes
Summer Months FE?	No	Yes	Yes	No	Yes	Yes
Census Division-by-Year FE?	No	No	Yes	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the county level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020. The reference group K-12 school foot traffic less than 20% of the Jan/Feb 2020 level.

Appendix Table B10: School Foot Traffic And Google Searches for Bullying
OLS Models

	Bullying	Cyber Bullying	School Bullying	Bullying	Cyber Bullying	School Bullying
	1	2	3	4	5	6
K-12 Foot Traffic	33.56***	24.02***	36.06***			
	(3.73)	(3.73)	(5.51)			
K-12 Foot Traffic >=80%				20.41**	14.15***	21.68**
				(2.67)	(3.12)	(4.36)
50% <=K-12 Foot Traffic <80%				13.82***	11.30***	16.07***
				(1.05)	(1.76)	(2.07)
20% <= K-12 Foot Traffic <50%				2.18***	1.13	1.29
				(.75)	(1.25)	(0.89)
Observations						
State FE	Yes	Yes	Yes	Yes	Yes	Yes
Year FE	Yes	Yes	Yes	Yes	Yes	Yes
State Level Controls	Yes	Yes	Yes	Yes	Yes	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each estimated is from a linear regression. The reference group K-12 school foot traffic less than 20% of the Jan/Feb 2020 level for columns 4-6. The base period for maximum (level 100 meaning maximum level of search intensity) is set in the 2019-2021period.

Appendix C:
Heterogeneity Exhibits

Table C1. Heterogeneity in the Effect of K-12 School Foot Traffic on Teenage Suicides, by Gender

	Males					Females				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
K-12 Foot Traffic	0.157***	0.189***	0.214***	0.138	0.151*	0.141	0.181*	0.228**	0.0891	0.113
	(0.0581)	(0.0648)	(0.0704)	(0.0929)	(0.0905)	(0.0913)	(0.0970)	(0.101)	(0.129)	(0.128)
Restaurant Foot Traffic			0.103	0.166**	0.161**			0.0394	0.145	0.141
			(0.0690)	(0.0807)	(0.0812)			(0.128)	(0.126)	(0.122)
Any COVID Deaths			0.0871	0.0912	0.0836			0.0620	0.0674	0.0370
			(0.0593)	(0.0597)	(0.0623)			(0.0898)	(0.0884)	(0.0893)
County Death Rate			1.182*	1.022	1.201*			0.438	0.187	0.919
			(0.678)	(0.677)	(0.729)			(0.839)	(0.865)	(0.917)
Personal Income			-0.0702	-0.0644	-0.00513			-0.121	-0.110	-0.0209
			(0.236)	(0.235)	(0.258)			(0.338)	(0.336)	(0.315)
Unemployment Rate			0.0232	0.0241	0.0328			0.0795**	0.0812**	0.0677*
			(0.0210)	(0.0210)	(0.0227)			(0.0345)	(0.0340)	(0.0349)
Divorce Rate			0.0624	0.0583	0.152			0.185	0.173	0.266
			(0.144)	(0.142)	(0.160)			(0.186)	(0.185)	(0.185)
Observations	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Census Division-by-Year FE?	No	No	No	No	Yes	No	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.

Table C2. Heterogeneity in the Effect of K-12 School Foot Traffic on Teenage Suicides, by Race/Ethnicity

	Non-Hispanic White					Black				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
K-12 Foot Traffic	0.236***	0.254***	0.261***	0.152*	0.171*	0.105	0.239**	0.290*	0.240	0.276
	(0.0535)	(0.0633)	(0.0708)	(0.0916)	(0.0902)	(0.104)	(0.115)	(0.160)	(0.190)	(0.191)
Restaurant Foot Traffic			0.103	0.192**	0.195**			0.449	0.500*	0.432
			(0.0654)	(0.0801)	(0.0800)			(0.327)	(0.296)	(0.293)
Any COVID Deaths			0.0364	0.0420	0.0279			0.332**	0.335**	0.307**
			(0.0750)	(0.0748)	(0.0755)			(0.145)	(0.147)	(0.149)
County Death Rate			1.049	0.833	1.211			1.854	1.759	2.402
			(0.912)	(0.890)	(0.912)			(1.597)	(1.654)	(1.705)
Personal Income			-0.269	-0.261	-0.248			-0.0731	-0.0690	0.390
			(0.235)	(0.233)	(0.241)			(0.688)	(0.691)	(0.746)
Unemployment Rate			0.0384	0.0398	0.0463			0.0477	0.0490	0.0509
			(0.0277)	(0.0276)	(0.0289)			(0.0412)	(0.0412)	(0.0549)
Divorce Rate			0.0312	0.0246	0.190			0.252	0.250	0.0938
			(0.154)	(0.152)	(0.144)			(0.270)	(0.269)	(0.333)
Observations	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Census Division-by-Year FE?	No	No	No	No	Yes	No	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.

Table C3. Heterogeneity in the Effect of K-12 School Foot Traffic on Teenage Suicides, by Race/Ethnicity

	Hispanic				
	(1)	(2)	(3)	(4)	(5)
K-12 Foot Traffic	0.0438	0.141	0.134	0.00169	0.0251
	(0.146)	(0.153)	(0.156)	(0.153)	(0.146)
Restaurant Foot Traffic			0.0874	0.237	0.208
			(0.249)	(0.256)	(0.264)
Any COVID Deaths			0.0145	0.0282	-0.00171
			(0.158)	(0.162)	(0.164)
County Death Rate			0.329	0.0283	0.820
			(1.761)	(1.834)	(1.948)
Personal Income			0.315	0.325	0.240
			(0.635)	(0.636)	(0.717)
Unemployment Rate			0.0248	0.0298	-0.00220
			(0.0561)	(0.0555)	(0.0589)
Divorce Rate			0.148	0.141	-0.268
			(0.232)	(0.229)	(0.336)
Observations	74,660	74,660	74,660	74,660	74,660
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes
Census Division-by-Year FE?	No	No	No	No	Yes

Table C4. Heterogeneity in the Effect of K-12 School Foot Traffic on Teenage Suicides, by Age

	Ages 12-to-15					Ages 16-to-18				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
K-12 Foot Traffic	0.142**	0.228***	0.310***	0.158	0.179*	0.158**	0.160**	0.164**	0.104	0.115
	(0.0705)	(0.0587)	(0.0722)	(0.101)	(0.0996)	(0.0660)	(0.0781)	(0.0726)	(0.0913)	(0.0902)
Restaurant Foot Traffic			0.0512	0.193	0.204			0.0969	0.141**	0.134**
			(0.141)	(0.144)	(0.143)			(0.0658)	(0.0682)	(0.0677)
Any COVID Deaths			0.175**	0.184**	0.166**			0.0213	0.0240	0.0109
			(0.0843)	(0.0843)	(0.0846)			(0.0755)	(0.0751)	(0.0757)
County Death Rate			0.162	-0.152	0.466			1.434**	1.315**	1.491**
			(1.082)	(1.083)	(1.090)			(0.657)	(0.652)	(0.700)
Personal Income			-0.116	-0.101	-0.165			-0.0355	-0.0313	0.148
			(0.277)	(0.275)	(0.291)			(0.254)	(0.252)	(0.300)
Unemployment Rate			0.0561	0.0591	0.0583*			0.0300	0.0304*	0.0380*
			(0.0367)	(0.0362)	(0.0299)			(0.0185)	(0.0185)	(0.0208)
Divorce Rate			0.228	0.218	0.240			0.0119	0.00838	0.173
			(0.179)	(0.177)	(0.161)			(0.145)	(0.144)	(0.150)
Observations	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Census Division-by-Year FE?	No	No	No	No	Yes	No	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.

Table C5. Heterogeneity in the Effect of K-12 School Foot Traffic on Teenage Suicides, by Drug Use

	Intentional Drug-Related Suicide					Not Intentional Drug-Related Suicide				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
K-12 Foot Traffic	0.186	0.231*	0.300*	0.306	0.334	0.150***	0.183***	0.216***	0.117	0.131*
	(0.117)	(0.124)	(0.165)	(0.237)	(0.250)	(0.0579)	(0.0627)	(0.0578)	(0.0802)	(0.0780)
Restaurant Foot Traffic			-0.257	-0.265	-0.247			0.0991	0.176***	0.174***
			(0.275)	(0.377)	(0.370)			(0.0614)	(0.0584)	(0.0578)
Any COVID Deaths			-0.0747	-0.0751	-0.126			0.0918*	0.0966*	0.0833
			(0.270)	(0.272)	(0.283)			(0.0550)	(0.0547)	(0.0565)
County Death Rate			1.121	1.130	2.522			0.931*	0.728	0.999*
			(3.145)	(3.109)	(3.532)			(0.505)	(0.510)	(0.583)
Personal Income			-0.121	-0.122	-0.431			-0.0555	-0.0484	0.0557
			(0.742)	(0.742)	(1.139)			(0.226)	(0.225)	(0.223)
Unemployment Rate			0.0315	0.0313	0.0170			0.0386**	0.0396**	0.0453***
			(0.0673)	(0.0662)	(0.0769)			(0.0179)	(0.0178)	(0.0174)
Divorce Rate			-0.341	-0.341	-0.724*			0.126	0.120	0.262**
			(0.343)	(0.347)	(0.382)			(0.137)	(0.135)	(0.115)
Observations	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Census Division-by-Year FE?	No	No	No	No	Yes	No	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.

Table C6. Heterogeneity in the Effect of K-12 School Foot Traffic on Teenage Suicides, by Firearm Use

	Firearm-Involved Suicide					Non-Firearm Involved Suicide				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
K-12 Foot Traffic	0.114*	0.180***	0.161**	0.0653	0.0790	0.182**	0.186**	0.259***	0.164*	0.180*
	(0.0635)	(0.0675)	(0.0785)	(0.0923)	(0.0906)	(0.0842)	(0.0900)	(0.0769)	(0.0992)	(0.0978)
Restaurant Foot Traffic			0.259***	0.345***	0.338***			-0.0426	0.0320	0.0375
			(0.0782)	(0.0838)	(0.0829)			(0.102)	(0.0991)	(0.101)
Any COVID Deaths			0.0716	0.0813	0.0712			0.0825	0.0834	0.0729
			(0.0769)	(0.0774)	(0.0782)			(0.0749)	(0.0749)	(0.0748)
County Death Rate			-0.0751	-0.0650	0.0866			-0.0383	-0.0335	-0.0776
			(0.319)	(0.316)	(0.333)			(0.236)	(0.235)	(0.264)
Personal Income			0.0355	0.0366	0.0419			0.0497**	0.0510**	0.0504**
			(0.0333)	(0.0330)	(0.0319)			(0.0215)	(0.0214)	(0.0214)
Unemployment Rate			-0.0419	-0.0470	0.0584			0.175	0.170	0.272*
			(0.182)	(0.181)	(0.235)			(0.148)	(0.146)	(0.153)
Divorce Rate			1.594*	1.332	1.497*			0.555	0.412	0.759
			(0.904)	(0.891)	(0.894)			(0.686)	(0.683)	(0.718)
Observations	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660	74,660
County Fixed Effects?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year Fixed Effects?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Restaurant/Bar Foot Traffic?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
COVID-19 Deaths?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Macro Econ Controls?	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
Summer Months FE?	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Census Division-by-Year FE?	No	No	No	No	Yes	No	No	No	No	Yes

*** p<0.01, ** p<0.05, * p<0.1

Notes: Standard errors are clustered at the state level. Each regression is weighted by the population in each county. COVID-19 deaths are coded as zero until the first documented COVID-19 related deaths, which occurred in March 2020.