

Supplemental Information:

Supplemental Table 1: State-Level Covariates

State	Healthy and Safety Program/ Activities Coordinator	Clubs that give students opportunities to learn about people different from them (such as students with disabilities, homeless youth, or people from different cultures)	Gay-Straight Alliance Clubs	2015 Median Household Income	2015 Overall State Policy Tally
	[State-Level % for High Schools]	[State-Level % for High Schools]	[State-Level % for High Schools]	[\$]	
Alabama	87.33	75.67	38.35	44,765	-5
Arkansas	93.78	65.38	31.81	41,995	-2.5
California	89.84	96.02	87.38	64,500	29.25
Florida	88.95	91.06	77.59	49,426	5.75
Georgia	89.40	84.98	41.26	51,244	-4.5
Hawaii	96.80	100.00	79.74	73,486	13.5
Idaho	92.06	68.99	54.24	48,275	3.75
Illinois	90.93	67.95	56.75	59,588	19.25
Kansas	86.97	67.12	38.52	53,906	-1
Kentucky	91.03	81.26	53.58	45,215	-2
Maine	83.00	75.34	82.49	51,494	21
Michigan	79.24	74.47	61.98	51,084	-5
Missouri	93.31	67.67	43.08	50,238	-3

Montana	94.35	55.51	26.41	49,509	2
Nebraska	96.12	75.00	40.91	54,996	-2.75
Nevada	89.24	82.28	71.63	52,431	12.75
New Hampshire	95.27	90.50	87.38	70,303	8
New York	96.21	84.22	82.11	60,850	19.25
North Carolina	80.11	84.58	62.77	47,830	3.5
North Dakota	92.09	67.40	59.36	60,557	-2.5
Oklahoma	91.41	59.56	18.82	48,568	1.5
Pennsylvania	86.41	77.05	63.70	55,702	6
Rhode Island	91.11	86.50	92.70	58,073	22
South Carolina	89.75	70.69	44.44	47,238	0.5
Tennessee	95.74	73.75	40.01	47,275	-5
Texas	90.21	71.08	47.75	55,653	-1.5
Utah	89.22	83.73	73.18	62,912	8
Vermont	80.58	80.58	85.43	56,990	25.25
Virginia	87.62	87.70	67.49	66,262	2
West Virginia	89.91	77.29	55.25	42,019	4.25
Wisconsin	87.55	73.81	56.21	55,638	10.75

Overall State Policy Tally information: Higher score = more protective policies/laws in the state for people with diverse sexual and gender identities.

Supplemental Table 2: Associations Between State-Level Proportions of School Programs/Staff Roles (Middle School through High School) Related to Safety and Inclusivity and Adolescent Self-Reported Interpersonal Violence Victimization

	Forced sexual intercourse	SV	Sexual TDV	Physical TDV	Bullying (school)	Bullying (electronically)
OR [95% Confidence Interval]						
Health and safety program/activities coordinator						
Unadjusted	1.14 [0.99, 1.31]	0.86 [0.74, 1.00]	0.93 [0.80, 1.08]	1.49 [1.27, 1.75]	0.92 [0.82, 1.03]	0.95 [0.85, 1.05]
Adjusted	1.12 [0.99, 1.27]	0.86 [0.74, 1.01]	0.90 [0.77, 1.06]	1.43 [1.24, 1.64]	0.95 [0.86, 1.06]	0.96 [0.86, 1.06]
Clubs that give students opportunities to learn about people different from them						
Unadjusted	0.89 [0.84, 0.95]	1.07 [0.98, 1.16]	1.00 [0.94, 1.06]	0.99 [0.94, 1.05]	0.97 [0.92, 1.03]	0.93 [0.89, 0.98]
Adjusted	0.90 [0.86, 0.95]	0.97 [0.93, 1.01]	0.97 [0.91, 1.02]	1.03 [0.97, 1.10]	0.92 [0.89, 0.95]	0.91 [0.87, 0.95]
Gay-straight alliance clubs (GSAs)						
Unadjusted	0.90 [0.85, 0.95]	1.14 [0.99, 1.30]	1.06 [1.01, 1.10]	0.95 [0.90, 1.01]	1.05 [0.98, 1.13]	1.01 [0.98, 1.05]
Adjusted	0.87 [0.83, 0.91]	0.97 [0.92, 1.01]	0.98 [0.94, 1.03]	1.06 [1.00, 1.13]	0.95 [0.91, 0.99]	0.98 [0.93, 1.02]

SV = sexual violence.

TDV = teen dating violence.

Results in bold indicate statistical significance at $p < 0.05$.

State-level proportions were calculated from the 2018 School Health Profiles data using all data available (middle school through high school) and have been scaled to represent a 10% change.

Forced sexual intercourse refers to lifetime victimization. Sexual violence, sexual TDV, physical TDV, bullying (school) and bullying (electronically) refers to past-year victimization.

Adjustment variables included 2015 median household income and 2015 Overall State Policy Tallies.

Supplemental Table 3: Associations Between State-Level Proportions of High School Programs/Staff Roles (Categorized) Related to Safety and Inclusivity and Adolescent Self-Reported Interpersonal Violence Victimization

	Forced sexual intercourse	SV	Sexual TDV	Physical TDV	Bullying (school)	Bullying (electronically)
OR [95% Confidence Interval]						
Health and safety program/activities coordinator						
<i>Referent group: $\leq 25^{\text{th}}$ percentile</i>						
25th < and $\leq 50^{\text{th}}$ percentile						
Unadjusted	0.94 [0.84, 1.06]	1.36 [0.94, 1.96]	0.99 [0.87, 1.13]	0.89 [0.75, 1.06]	0.93 [0.74, 1.17]	0.80 [0.72, 0.90]
Adjusted	1.00 [0.90, 1.12]	1.08 [0.94, 1.24]	1.00 [0.87, 1.14]	0.98 [0.84, 1.15]	0.83 [0.73, 0.95]	0.75 [0.68, 0.83]
50th < and $\leq 75^{\text{th}}$ percentile						
Unadjusted	1.17 [1.03, 1.35]	0.93 [0.83, 1.05]	0.81 [0.68, 0.96]	1.09 [0.94, 1.27]	0.80 [0.73, 0.89]	0.84 [0.77, 0.93]
Adjusted	1.22 [1.07, 1.39]	0.90 [0.80, 1.02]	0.79 [0.66, 0.95]	1.12 [0.97, 1.30]	0.81 [0.73, 0.89]	0.84 [0.77, 0.93]
75th < and $\leq 100^{\text{th}}$ percentile						
Unadjusted	1.14 [0.98, 1.33]	1.07 [0.97, 1.18]	1.01 [0.87, 1.17]	1.44 [1.27, 1.64]	1.06 [0.96, 1.17]	1.07 [0.96, 1.18]
Adjusted	1.14 [0.98, 1.33]	0.87 [0.68, 1.12]	0.85 [0.70, 1.04]	1.50 [1.32, 1.70]	1.01 [0.90, 1.13]	1.04 [0.93, 1.15]
Clubs that give students opportunities to learn about people different from them						
<i>Referent group: $\leq 25^{\text{th}}$ percentile</i>						
25th < and $\leq 50^{\text{th}}$ percentile						
Unadjusted	0.95 [0.83, 1.10]	0.87 [0.76, 1.00]	0.92 [0.73, 1.16]	1.10 [0.95, 1.28]	0.85 [0.74, 0.97]	0.85 [0.74, 0.97]
Adjusted	0.95 [0.82, 1.11]	1.15 [0.87, 1.51]	1.17 [0.92, 1.48]	1.07 [0.93, 1.22]	0.96 [0.83, 1.12]	0.89 [0.78, 1.02]
50th < and $\leq 75^{\text{th}}$ percentile						
Unadjusted	0.79 [0.68, 0.92]	0.92 [0.81, 1.05]	1.07 [0.89, 1.30]	1.12 [0.95, 1.31]	0.98 [0.87, 1.09]	0.96 [0.85, 1.09]

Adjusted	0.80 [0.69, 0.93]	0.92 [0.81, 1.04]	1.09 [0.90, 1.31]	1.17 [0.98, 1.38]	0.95 [0.84, 1.07]	0.95 [0.84, 1.07]
75th < and ≤100th percentile						
Unadjusted	0.78 [0.67, 0.90]	1.22 [0.86, 1.73]	0.95 [0.79, 1.14]	0.82 [0.71, 0.94]	0.91 [0.74, 1.14]	0.78 [0.69, 0.89]
Adjusted	0.80 [0.70, 0.92]	1.13 [0.87, 1.46]	1.10 [0.91, 1.33]	0.87 [0.75, 1.00]	0.86 [0.74, 1.01]	0.76 [0.67, 0.86]
Gay-straight alliance clubs (GSAs)						
<i>Referent group: ≤25th percentile</i>						
25th < and ≤50th percentile						
Unadjusted	0.98 [0.86, 1.11]	0.89 [0.79, 1.02]	1.03 [0.85, 1.24]	0.96 [0.82, 1.13]	0.94 [0.83, 1.06]	1.04 [0.92, 1.16]
Adjusted	0.99 [0.85, 1.15]	0.78 [0.63, 0.96]	0.92 [0.74, 1.16]	1.07 [0.91, 1.27]	0.87 [0.73, 1.03]	1.00 [0.88, 1.14]
50th < and ≤75th percentile						
Unadjusted	0.78 [0.70, 0.87]	0.92 [0.83, 1.02]	1.12 [0.94, 1.33]	0.83 [0.72, 0.96]	1.00 [0.89, 1.12]	1.08 [0.97, 1.20]
Adjusted	0.79 [0.70, 0.89]	0.84 [0.71, 0.99]	1.03 [0.87, 1.23]	0.94 [0.81, 1.09]	0.94 [0.81, 1.09]	1.06 [0.94, 1.20]
75th < and ≤100th percentile						
Unadjusted	0.74 [0.64, 0.87]	1.33 [0.91, 1.95]	1.11 [0.95, 1.30]	0.85 [0.70, 1.03]	1.11 [0.88, 1.39]	1.04 [0.93, 1.15]
Adjusted	0.73 [0.62, 0.86]	0.79 [0.67, 0.93]	0.85 [0.68, 1.06]	1.21 [0.97, 1.50]	0.78 [0.67, 0.90]	0.87 [0.76, 1.01]

SV = sexual violence.

TDV = teen dating violence.

Results in bold indicate statistical significance at p<0.05.

State-level proportions were calculated from the 2018 School Health Profiles data using high schools only and have been scaled to represent a 10% change.

Forced sexual intercourse refers to lifetime victimization. Sexual violence, sexual TDV, physical TDV, bullying (school) and bullying (electronically) refers to past-year victimization.

Adjustment variables included 2015 median household income and 2015 Overall State Policy Tallies.