



LGBTQ+ YOUTH SCHOOL DISCIPLINE EXPERIENCES AND THE SCHOOL-TO-PRISON PIPELINE

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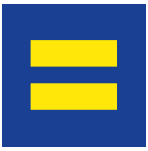


APPENDIX 1. METHODOLOGY

STUDY VARIABLES

Variable definitions and coding schemes are listed below. For all measures, respondents who answered “don’t know” or did not answer the question were marked as ‘missing’ and not included in analyses of that variable.

Variable	Survey question	Coding scheme
Ever suspended	Have you ever received an out-of-school suspension?	Yes/ No
Ever expelled	Have you ever been expelled from school?	Yes/ No
Ever suspended or expelled	Have you ever received an out-of-school suspension? AND Have you ever been expelled from school?	Yes = ever suspended and/or expelled No = neither occurred
Ever suspended for being LGBTQ+	If ever suspended = yes, “Was this out-of-school suspension related to your sexual orientation or gender identity?”	Yes/ No
Ever expelled for being LGBTQ+	If ever expelled = yes, “Was this expulsion related to your sexual orientation or gender identity?”	Yes/ No
Ever suspended or expelled for being LGBTQ+	Combination of the two questions above	Yes = suspended and/or expelled for being LGBTQ+ No = neither occurred
Discriminatory Discipline	How much would you say you are disciplined at school (such as detention, ISS or OSS) compared to other students? <ul style="list-style-type: none"> - A lot more - Somewhat more - About the same - Somewhat less - A lot less 	Yes = Somewhat more/ a lot more No = About the same/ Somewhat less /a lot less



Arrested	Have you ever been arrested or taken into custody by the police?	Yes/ No
School has an SRO	Does your school have a School Resource Officer (also known as Security Officer or School Police Officer)?	Yes/ No
Student does not trust SRO	How much do you trust your School Resource Officer to help you when someone harasses, teases or bullies you at school for being LGBTQ? <ul style="list-style-type: none"> - Not at all - A little - Somewhat - A lot 	Yes = Not at all No = Trust a little / somewhat / a lot
Anxiety	<u>GAD-2 screening tool</u>	Respondents screened positive for anxiety if scored above a specified cut-point
Depression	<u>PHQ-2 screening tool</u>	Respondents screened positive for depression if scored above a specified cut-point
Teachers/staff do not care about me	Do you agree or disagree that your teachers and/or staff at school really care about you? <ul style="list-style-type: none"> - Strongly disagree - Disagree - Agree - Strongly disagree 	Yes = Strongly disagree / Disagree No = Strongly agree / Agree
Unsafe in any school setting	While at school, how often do you feel safe <ul style="list-style-type: none"> - Never - Rarely - Sometimes - Usually - Always Q1) ...in your classroom Q2) ...in the bathroom Q3) ...in the locker room Q4) ...in the hallways and stairwells Q5) ...in the library Q6) ...in the cafeteria Q7) ...outside on school grounds Q8) ...getting to/from school Q9) ...on the school bus	Felt unsafe in a given setting: Yes = Never /Rarely feel safe No = Usually / Always feel safe Felt unsafe in any 1+ setting: Categorized as feeling unsafe in at least one setting (Q1-9)



<p>LGBTQ+ identity will negatively impact my experiences at college</p>	<p>My LGBTQ identity will negatively affect my future college and higher education opportunities.</p> <ul style="list-style-type: none"> - Strongly disagree - Disagree - Neither disagree or agree - Agree - Strongly agree 	<p>Yes = Strongly / somewhat agree</p> <p>No = all other levels</p>
<p>Prior 30-day bullying</p>	<p>In the last 30 days, how often did the following happen to you IN PERSON at school?</p> <ul style="list-style-type: none"> - Never - 1-2 times - 3-4 times - 5-6 times - 7+ times <p>Q1) ...Other students called me names Q2) ...Other students made fun of me Q3) ...Other students picked on me Q4) ...I got hit and pushed by other students.</p>	<p>Yes = Any one item (Q1-Q4) occurred at least 1 or 2 times or more frequently</p> <p>No = answered "Never" for all 4 items</p>
<p>Ever bullied at school for SOGI</p>	<p>IN THE PAST 12 MONTHS, how often have you been teased, bullied, or treated badly by other students at your school because of your</p> <ul style="list-style-type: none"> - Never - Rarely - Sometimes - Often - Very Often <p>Q1) ...Sexual identity Q2) ...Gender Q3) ...How masculine or feminine I am</p>	<p>Yes = Any one item (Q1-Q3) occurred Sometimes / Often / Very Often</p> <p>No = All three items occurred Never/ Rarely</p>
<p>Ever informed teacher about bullying</p>	<p>Have you ever talked to a teacher and/or staff at school about being bullied, teased, threatened or harassed for being LGBTQ?</p>	<p>Yes/ No</p>
<p>Not considering attending college</p>	<p>Are you considering attending college?</p>	<p>Yes/ No</p>
<p>Get mostly As and Bs (academic performance)</p>	<p>Which of the following best describes your grades?</p> <ul style="list-style-type: none"> - Mostly As and Bs - Mostly Cs - Mostly Ds - Mostly Fs 	<p>Yes = Mostly As and Mostly Bs</p> <p>No = All others</p>



ANALYSIS

Unadjusted percentages: All percentages presented in tables and figures are unadjusted, and come from crosstabs (aka the percentage of LGBTQ+ youth who met screening criteria for anxiety who had, vs. Had not, been suspended and expelled).

Race/ethnicity adjusted odds ratios: Odds ratios come from logistic regression models predicting association between each outcome variable, and lifetime school discipline (ever suspended and/or expelled, Table 3a) or biased school discipline (ever suspended and/or expelled due to being LGBTQ+, Table 3b) controlling for race/ethnicity (referent category = White, Non-Hispanic/Latinx).

School-to-prison pipeline: A series of race/ethnicity-adjusted logistic regression models were run to estimate each potential step in the school-to-prison pipeline (Table 4)

- + Model 1 assessed the association between lack of trust for SROs, and the outcome of ever being expelled or suspended (impact of school discipline policies /practices on school discipline experiences)
- + Model 2a assessed the association between lack of trust for SROs, and the outcome of lifetime arrest history (impact of school discipline policies/practices on arrest history)
- + Model 2a assessed the association between ever being suspended/expelled, and the outcome of lifetime arrest history (impact of school discipline on arrest history)
- + Model 3 assessed the joint association of lack of trust for SROs and lifetime school discipline history, and lifetime arrest history (full school-to-prison pipeline)

APPENDIX 2: TABLES

Table 1. Study variables, by LGBTQ+ identity

Variable	All LGBTQ+ % (N)	LGBQ+ % (N)	Transgender and gender-expansive % (N)
SCHOOL DISCIPLINE			
Ever suspended	9.7% (1,196)	9.7% (1,179)	10.0% (855)
Suspended due to LGBTQ+ identity (among ever suspended)	13.0% 145	12.7% 139	13.5% 106



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Ever expelled	1.7% 206	1.6% 202	1.7% 148
Ever expelled due to LGBTQ+ (among ever expelled)	22.9% 43	22.3% 41	20.2% 27
Discriminatory discipline	9.9% 1,214	9.8% 1,196	9.9% 849
SCHOOL RESOURCE OFFICE (SRO) EXPERIENCES AND LIFETIME ARREST HISTORY			
School has SRO	83.5% 8,333	83.6% 8,234	83.4% 5,712
Does not trust SRO	41.5% 3,426	41.7% 3,397	46.7% 2,646
Ever arrested	3.0% 374	3.0% 368	3.1% 271
MENTAL HEALTH			
Anxiety	63.5% 6,751	63.7% 6,701	68.2% 5,163
Depression	55.1% 5,853	55.1% 5,798	60.0% 4,542
SCHOOL EXPERIENCES			
Teachers/staff do not care about me	29.4% 2,969	29.4% 2,935	33.5% 2,306
Unsafe in any school setting	46.1% 5,628	46.0% 5,555	53.9% 4,561
LGBTQ+ identity will negatively impact my experiences at college	29.2% 3,286	29.2% 3,247	33.9% 2,698
Prior 30-day bullying	57.0% 7,100	57.0% 7,022	59.5% 5,162
Prior-year bullying at school due to LGBTQ+ identity	51.6% 6,471	51.7% 6,399	55.6% 4,845
Ever informed teacher about bullying	22.4% 2,790	22.4% 2,759	25.7% 2,231



Not considering attending college	7.1% 797	7.1% 792	7.8% 622
Get mostly As and Bs	86.2% 10,418	86.2% 10,293	84.5% 7,055

Table 2a. School discipline, arrest, and school resource officer (SRO) experiences, by race/ethnicity and LGBTQ+ identity

	Black	Hispanic	AANHPI	AIAN	White	Other
ALL LGBTQ+						
Ever suspended or expelled	18.1% 202	10.8% 241	8.2% 94	17.8% 110	9.2% 938	10.2% 95
Ever suspended or expelled due to LGBTQ+ identity	3.1% 35	1.6% 36	1.1% 13	2.8% 17	1.1% 111	1.6% 15
Discriminatory discipline	16.5% 178	11.6% 250	12.7% 141	14.3% 85	8.6% 858	13.3% 118
Arrested	4.6% 50	3.2% 69	2.3% 26	6.1% 36	2.8% 285	3.4% 31
School has SRO	84.1% 748	84.8% 1,440	81.1% 662	81.0% 393	83.8% 6,860	80.6% 548
Does not trust SRO	34.7% 253	35.5% 504	36.1% 238	47.0% 183	43.4% 2,954	34.6% 187
LGBQ+ YOUTH						
Ever suspended or expelled	18.2% 201	10.7% 235	8.1% 92	17.5% 106	9.2% 924	10.3% 94
Ever suspended or expelled due to LGBTQ+ identity	3.1% 34	1.5% 32	1.1% 12	2.6% 16	1.1% 108	1.5% 14
Discriminatory discipline	16.4% 174	11.4% 241	12.7% 139	14.0% 82	8.6% 847	13.1% 115



Arrested	4.5% 49	3.2% 69	2.2% 25	5.8% 34	2.8% 282	3.5% 31
School has SRO	84.2% 738	85.3% 1,420	81.2% 656	80.7% 385	83.8% 6,782	81.1% 541
Does not trust SRO	35.1% 252	35.7% 500	36.2% 237	47.5% 181	43.5% 2,929	34.6% 185
TRANSGENDER AND GENDER-EXPANSIVE YOUTH						
Ever suspended or expelled	17.1% 125	10.8% 160	8.5% 64	17.2% 84	9.9% 711	10.2% 64
Ever suspended or expelled due to LGBTQ+ identity	3.0% 22	1.5% 22	1.2% 9	2.5% 12	1.3% 90	1.8% 11
Discriminatory discipline	14.8% 105	11.1% 161	12.2% 90	14.5% 69	9.1% 641	11.9% 72
Arrested	4.2% 30	2.8% 41	2.4% 18	5.3% 25	3.1% 220	3.9% 24
School has SRO	82.7% 479	84.5% 942	80.1% 415	80.2% 308	83.7% 4,797	80.9% 369
Does not trust SRO	39.6% 185	41% 380	43.8% 181	50.3% 153	48.3% 2,302	40.1% 146

AANHPI = Asian American, Native Hawaiian, Pacific Islander; AIAN = American Indian, Alaska Native

Respondents were allowed to select multiple racial/ethnic categories, and may thus appear in multiple columns if they selected more than one race/ethnicity

Table 2b. Mental health and school experiences, by race/ethnicity and LGBTQ+ identity

	Black	Hispanic	Asian/ NHPI	AIAN	White	Other
ALL LGBTQ+ YOUTH						
Anxiety	58.6% 506	60.9% 1,086	59.7% 552	67.5% 317	64.3% 5,635	63.3% 457
Depression	53.3% 465	55.4% 987	55.7% 515	60.1% 283	55.1% 4,828	58.2% 419



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Teachers/staff do not care about me	27.6% 236	30.0% 510	26.0% 230	41.9% 197	29.7% 2,443	30.4% 210
Unsafe in any school setting	42.7% 460	46.4% 1,014	39.5% 443	58.2% 342	46.9% 4,613	46.1% 421
LGBTQ+ identity will negatively impact my experiences at college	28.6% 262	28.6% 538	29.4% 289	34.1% 174	29.2% 2,707	28.8% 220
Prior 30-day bullying	55.9% 613	54.4% 1,199	47.6% 539	68.1% 410	58.0% 5,845	54.3% 496
Prior-year bullying at school due to LGBTQ+ identity	49.7% 550	50.1% 1,111	43.1% 490	62.9% 382	52.5% 5,316	51.4% 474
Ever informed teacher about bullying	19.4% 212	20.7% 454	17.5% 197	31.8% 191	23.4% 2,356	18.4% 167
Not considering attending college	6.7% 66	7.1% 139	6.0% 58	9.6% 54	7.2% 653	7.4% 62
Get mostly As and Bs	84.7% 897	82.7% 1,753	91.7% 1,010	77.9% 447	86.3% 8,445	82.1% 725
LGBQ+ YOUTH						
Anxiety	58.9% 502	61.3% 1,073	59.6% 546	67.8% 314	64.5% 5,595	63.7% 454
Depression	53.5% 460	55.6% 972	55.6% 510	60.6% 281	55.1% 4,779	58.8% 418
Teachers/staff do not care about me	27.6% 233	29.8% 499	26.1% 228	41.9% 193	29.7% 2,418	30.3% 206
Unsafe in any school setting	41.9% 445	46.1% 990	39.3% 436	58.2% 336	46.9% 4,562	46.3% 416



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LGBTQ+ identity will negatively impact my experiences at college	28.3% 256	28.3% 524	29.4% 286	34.1% 171	29.2% 2,678	28.8% 217
Prior 30-day bullying	56.0% 605	54.4% 1,177	47.3% 529	67.9% 401	58.1% 5,785	54.6% 491
Prior-year bullying at school due to LGBTQ+ identity	49.8% 543	49.9% 1,087	42.9% 482	63.4% 378	52.6% 5,261	51.5% 467
Ever informed teacher about bullying	19.3% 208	20.5% 441	17.4% 194	31.9% 188	23.4% 2,330	18.4% 165
Not considering attending college	6.8% 66	7.2% 139	6.0% 57	9.6% 53	7.2% 649	7.6% 62
Get mostly As and Bs	84.7% 885	82.8% 1,725	91.8% 999	77.8% 439	86.3% 8,348	82.2% 714
TRANSGENDER AND GENDER-EXPANSIVE YOUTH						
Anxiety	63.8% 374	66.4% 813	66.5% 411	71.5% 276	68.6% 4,353	67.7% 343
Depression	57.0% 337	61.9% 758	62.1% 384	62.9% 244	59.7% 3,788	64.8% 328
Teachers/ staff do not care about me	31.9% 174	33.6% 368	31.6% 182	44.8% 165	33.5% 1,918	35.1% 161
Unsafe in any school setting	48.8% 343	53.6% 781	50.0% 370	63.5% 298	54.6% 3,787	54.2% 336
LGBTQ+ identity will negatively impact my experiences at college	32.7% 201	32.6% 420	35.0% 229	37.6% 156	33.9% 2,261	31.6% 168
Prior 30-day bullying	58.8% 424	57.3% 842	52.1% 389	69.3% 332	60.5% 4,310	58.2% 363



Prior-year bullying at school due to LGBTQ+ identity	52.3% 380	52.5% 776	49.2% 369	64.8% 313	56.5% 4,050	54.8% 342
Ever informed teacher about bullying	20.3% 146	22.3% 328	21.3% 159	34.6% 166	27.0% 1,925	20.8% 129
Not considering attending college	7.2% 48	7.1% 96	6.7% 44	9.8% 44	8.0% 523	6.9% 41
Get mostly As and Bs	83.8% 580	81.7% 1,150	89.4% 641	75.8% 348	84.6% 5,822	82.1% 487

AANHPI = Asian American, Native Hawaiian, Pacific Islander; AIAN = American Indian, Alaska Native

Respondents were allowed to select multiple racial/ethnic categories, and may thus appear in multiple columns if they selected more than one race/ethnicity

Table 3. Unadjusted (percentage) and race/ethnicity adjusted (odds ratio) associations between school discipline, and mental health, school experiences, and arrest history, all LGBTQ+ youth

	Never suspended or expelled	Ever suspended or expelled	Race adjusted odds ratio (95% confidence interval)
Anxiety	63.2% 6,092	66.3% 659	1.2 (1.0 - 1.3)
Depression	54.6% 5,257	59.9% 596	1.2 (1.1 - 1.4)
Teachers/staff do not care about me	28.0% 2,543	42.6% 426	1.9 (1.7 - 2.2)
Unsafe in any school setting	44.8% 4,937	57.4% 691	1.7 (1.5 - 1.9)
LGBTQ+ identity will negatively affect my experiences at college	28.9% 2,941	32.3% 345	1.2 (1.0-1.3)
Prior 30-day bullying	55.9% 6,279	66.9% 821	1.6 (1.4 - 1.8)



Prior-year bullying at school due to LGBTQ+ identity	50.0% 5,651	66.1% 820	2.0 (1.7 - 2.2)
Ever informed teacher about bullying	21.0% 2,356	35.4% 434	2.1 (1.9 - 2.4)
Not considering attending college	6.1% 618	15.7% 179	2.9 (2.4 - 3.4)
Get mostly As and Bs	87.9% 9,605	69.6% 813	0.3 (0.3 - 0.4)
Ever been arrested	1.6% 183	15.8% 191	11.1 (8.9 - 13.7)
School has an SRO	83.4% 7,471	84.7% 862	1.1 (0.9 - 1.3)

Odds ratios are from logistic regression models adjusting for race/ethnicity (referent category = White, Non-Hispanic/Latinx) for the association between lifetime school discipline experience (ever suspended and/or expelled = index category) and each variable (as the outcome in the model). Bolded OR indicate statistically significant association at $p < 0.05$. Percentages and N's are unadjusted.

Table 3b. Unadjusted (percentage) and race/ethnicity adjusted (odds ratio) associations between biased school discipline, and mental health, school experiences, and arrest history

	Never suspended or expelled for being LGBTQ+	Ever suspended or expelled for being LGBTQ+	Race adjusted odds ratio (95% confidence interval)
Anxiety	63.4% 6,657	75.8% 94	1.8 (1.2 - 2.8)
Depression	55.0% 5,774	63.2% 79	1.4 (0.97 - 2.0)
Teachers/staff do not care about me	29.0% 2,883	61.4% 86	3.8 (2.7 - 5.4)
Unsafe in any school setting	45.7% 5,512	71.6% 116	3.0 (2.1 - 4.2)
LGBTQ+ identity will impact my experiences at college	29.0% 3,216	49.7% 70	2.4 (1.7 - 3.3)



Prior 30 day bullying	56.6% 6,963	83.5% 137	3.9 (2.5 - 5.9)
Prior-year bullying at school due to LGBTQ+ identity	51.1% 6,322	89.8% 149	8.4 (5.1 - 13.9)
Ever informed teacher about bullying	21.9% 2,688	64.2% 102	6.6 (4.7 - 9.1)
Not considering attending college	7.0% 770	17.2% 27	2.7 (1.8 - 4.1)
Get mostly As and Bs	86.4% 10,316	65.4% 102	0.3 (0.2 - 0.4)
Ever been arrested	2.7% 333	26.1% 41	11.6 (8.0 - 17.0)
School has an SRO	83.6% 8,216	81.3% 117	0.9 (0.6 - 1.3)
Does not trust SRO	41.5% 3,372	46.2% 54	1.3 (0.9 - 1.9)

Odds ratios are from logistic regression models adjusting for race/ethnicity (referent category = White, Non-Hispanic/Latinx) for the association between lifetime biased school discipline experience and each variable (as the outcome in the model). Bolded OR indicate statistically significant association at $p < 0.05$. Percentages and N's are unadjusted.

Table 4 . School to Prison Pipeline

	Model 1: Ever expelled or suspended	Model 2a = Ever arrested	Model 2b = Ever arrested	Model 3 = Ever arrested
Student does not trust SRO	1.3 (1.1 - 1.5)	1.3 (1.0 - 1.6)	--	1.2 (0.9 - 1.5)
Expelled or suspended	--	--	11.1 (8.9 - 13.7)	10.3 (8.0 - 13.3)

Odds ratios are from logistic regression models adjusting for race/ethnicity (referent category = White, Non-Hispanic/Latinx) for the association between predictor variable listed in the first cell of each row ("student does not trust"; "expelled or suspended"), and the outcome variable listed in each column header. Bolded OR indicate statistically significant association at $p < 0.05$.

"--" indicates the predictor variable was not included in the model. For full description and interpretation of analytic model, see above.