

Online Appendix

Sexuality, Migration, and LGB Policy: A Portrait of Immigrants in Same-Sex Couples in the United States

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A Descriptive Statistics

Table A.1: Summary statistics for state-country-survey year analysis, the data used in Table 3 in the main paper.

Characteristic	N = 36,387
Percent in same-sex couples	0.00 (0.00, 0.00)
State LGB policy score	
-1	3,928 (11%)
0	6,234 (17%)
1	4,671 (13%)
2	3,424 (9.4%)
3	3,337 (9.2%)
4	4,372 (12%)
5	5,881 (16%)
6	2,821 (7.8%)
7	1,719 (4.7%)
Country LGB policy score	1 (0, 3)
Distance (km)	8,883 (7,303, 11,716)
Contiguous border	1,090 (3.0%)
Common official language	8,789 (24%)
Common ethnic language	16,333 (45%)
Ever colonial relationship	1,890 (5.2%)
Per-cap. GDP difference	-29 (-32, -23)
Unemployment difference	1.6 (-1.1, 5.5)
Liberal democracy (V-Dem)	0.41 (0.21, 0.76)
Proportion same-country stock	0.003 (0.001, 0.009)
State unemployment rate	5.72 (4.28, 7.82)
State per-capita income	45,342 (39,718, 52,005)

¹ Median (IQR); n (%)

B Additional Descriptive Trends

Figure B.1 examines within-country selection. For each immigrant in the dataset, it subtracts off their year- and country-level average for high school completion, college completion, annual income, and occupational prestige score. The figure displays results separately for immigrants in same- and different-sex couples. The lines for different-sex couples are nearly 0, since they are the overwhelming majority in the dataset. The lines for same-sex couples show clear positive selection relative to other immigrants from that country.

Figure B.2 relies on the data used in the regression models, with the vertical axis showing the proportion of immigrants from each country in same-sex couples in each state, in each survey year, from 2008 to 2019. In the left panel, the horizontal axis represents the origin country policy score in the mean year of immigration for that group, while the right panel's horizontal axis represents the state policy score in the survey year. The lines shows the bivariate regression lines.

Finally, Tables B.1 and B.2 show the top sending countries in the data by absolute numbers of same- and different-sex couples. Although there are some differences, the most common sending countries for immigrants to the U.S. dominate the lists.

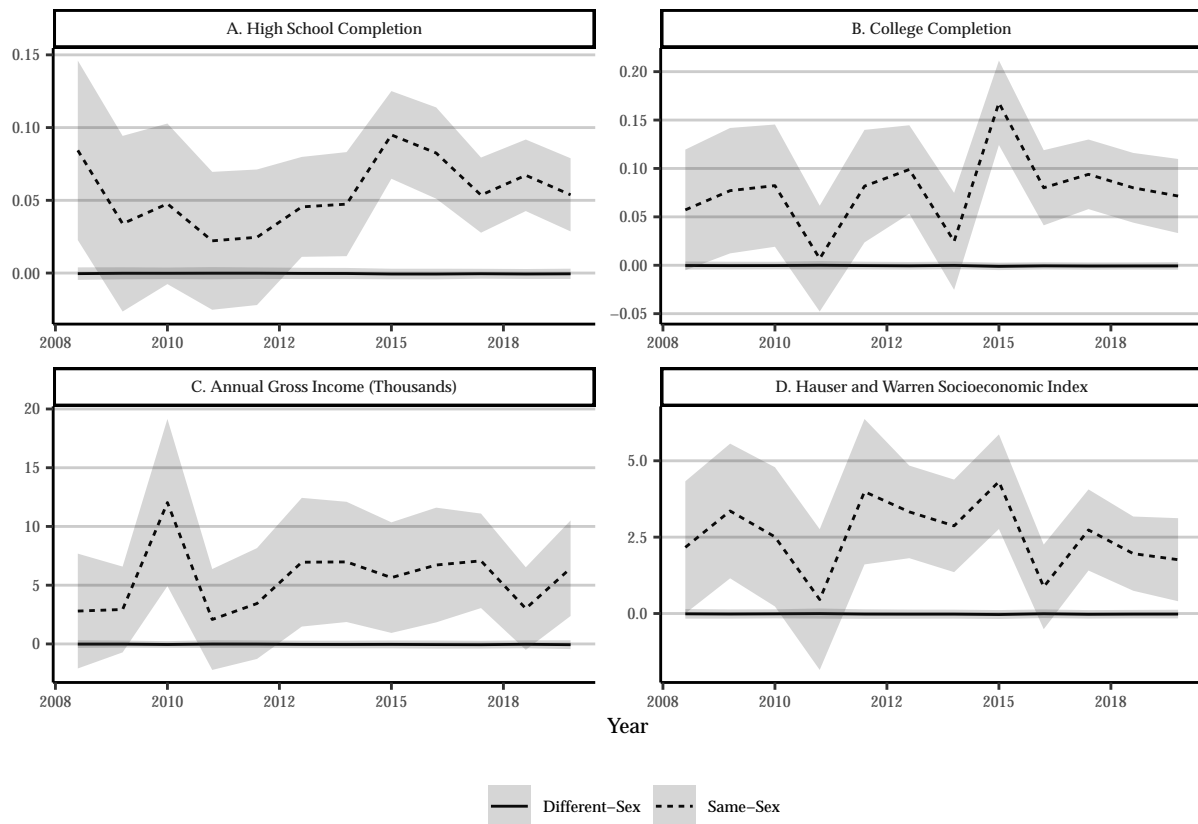


Figure B.1: Selection descriptive statistics for immigrants in couples 2008-2019, with survey weights and 95% confidence intervals. Each panel subtracts the ACS year- and country-level average from each immigrant originating from that country. Values above 0 indicate positive selection. All currency in 1000s of 1999 dollars.

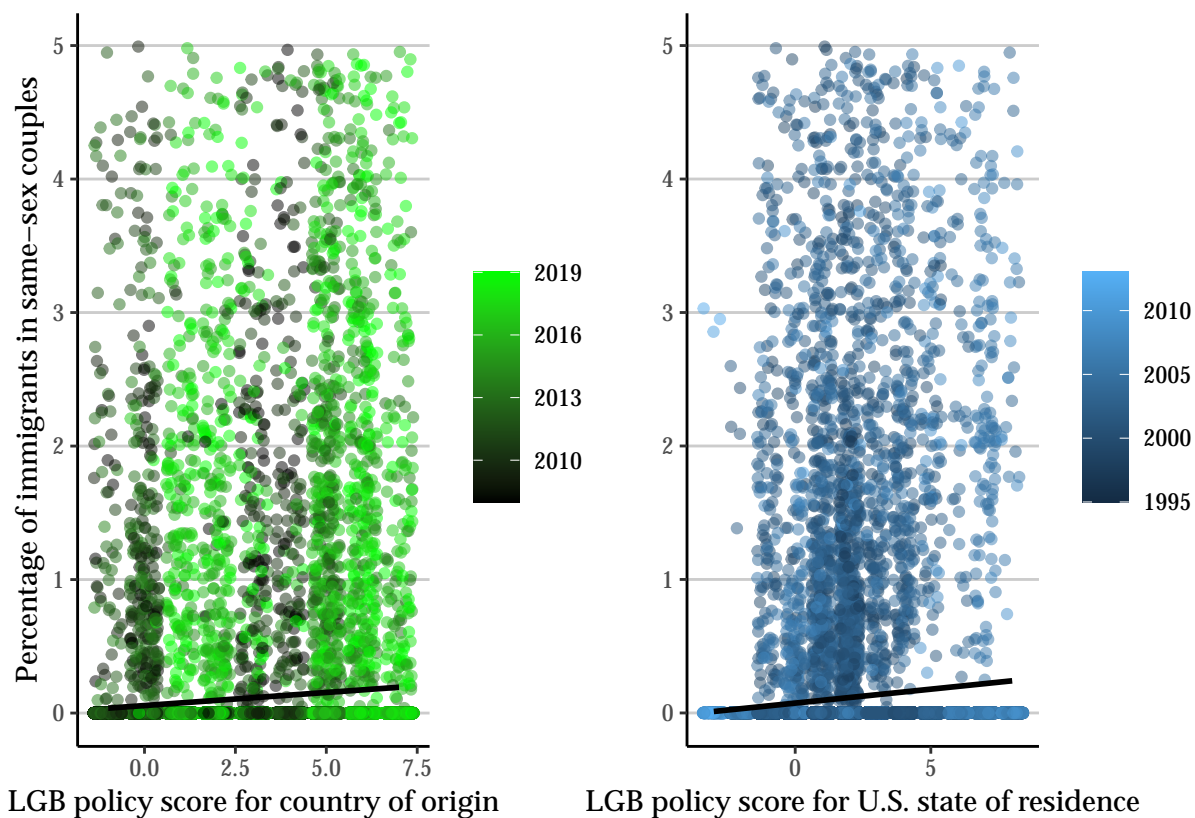


Figure B.2: Proportion of immigrants from each country in same-sex couples in each state, in each survey year, from 2008 to 2019. The left panel's horizontal axis represents the origin country policy score in the mean year of immigration for that group, while the right panel's horizontal axis represents the state policy score in the survey year. Points are jittered for clarity, and percentages above 5 are not shown.

Table A.2: Summary statistics for individual-level dataset, with survey weights applied

Characteristic	Different-sex, N = 103,338,045	Same-sex, N = 701,599
Country LGB policy score	2 (0, 2)	2 (1, 4)
State LGB policy	3.00 (1.00, 5.00)	5.00 (2.00, 6.00)
Sex		
Female	54,989,538 (53%)	246,863 (35%)
Male	48,348,507 (47%)	454,736 (65%)
Age	41 (35, 49)	41 (34, 48)
Education		
< HS	23,648,629 (23%)	87,394 (12%)
HS	25,970,469 (25%)	151,543 (22%)
some col	13,650,722 (13%)	114,725 (16%)
college	40,068,225 (39%)	347,937 (50%)
Number of children	1 (0, 2)	0 (0, 1)
Annual gross income (thousands)	15 (3, 34)	21 (8, 46)
IHS-transformed income	3.42 (1.88, 4.23)	3.74 (2.74, 4.53)
No income	21,064,369 (20%)	96,441 (14%)
Year of immigration	2001 (1997, 2007)	2003 (1998, 2010)
Distance (km)	8,085 (2,468, 12,267)	7,437 (3,000, 11,183)
Contiguous border	28,493,483 (28%)	164,903 (24%)
Common official language	28,875,013 (28%)	202,679 (29%)
Common ethnic language	70,725,737 (68%)	474,572 (68%)
Ever colonial relationship	7,699,098 (7.5%)	97,914 (14%)
Per-cap. GDP difference	-27 (-32, -23)	-26 (-31, -19)
Unemployment difference	-0.9 (-2.2, 1.6)	-0.4 (-1.9, 2.7)
Liberal democracy (V-Dem)	0.42 (0.26, 0.57)	0.45 (0.30, 0.75)
Proportion same-country stock	0.03 (0.01, 0.20)	0.02 (0.00, 0.04)
State unemployment rate	5.71 (4.33, 7.98)	4.87 (4.14, 7.10)
State per-capita income	48,504 (43,153, 55,833)	51,753 (45,803, 59,657)

¹ Median (IQR); n (%)

C Robustness Checks

C.1 Adjusting proportions based on empirical mismatch rates

Published papers using the ACS to study same-sex couples overwhelmingly use the method by Gates & Steinberger (2009) employed our main paper to adjust for misreporting, where we drop all respondents that had either their relationship or sex variable allocated by the Census Bureau. However here we implement a novel method to adjust proportions of estimated immigrants in same-sex couples, based on the estimated mismatch rates from two U.S. Census Bureau studies. Beginning in 2019, the ACS provides explicit categories for “Opposite-sex husband/wife/spouse,” “Opposite-sex unmarried partner,” “Same-sex husband/wife/spouse,” and “Same-sex unmarried partner” (Walker & Taylor, 2021), so sex misreporting in the 2019 data is unlikely. Hence in most sensitivity analyses below, 2019 estimates are not adjusted for misreporting.

In a Census Bureau working paper, Kreider & Lofquist (2015) use personal information such as

Table B.1: Top 10 sending countries of immigrants in same-sex couples in the American Community Survey 2008-2019

Birth country	n same-sex (unweighted)	n same-sex (weighted)
Mexico	1,170	129,124
Philippines	524	46,785
Canada	417	35,779
Brazil	323	29,679
China	311	27,824
India	264	25,474
Colombia	249	23,838
United Kingdom, ns	248	22,451
Germany	177	14,199
Vietnam	167	14,913

Table B.2: Top 10 sending countries of immigrants in different-sex couples in the American Community Survey 2008-2019

Birth country	n different-sex (unweighted)	n different-sex (weighted)
Mexico	201,371	26,021,656
India	100,486	11,484,755
China	63,837	6,517,760
Philippines	49,897	4,834,542
Vietnam	28,326	2,858,054
Canada	27,736	2,471,827
El Salvador	18,787	2,606,363
Colombia	17,358	1,953,707
Brazil	14,580	1,675,451
Other USSR/Russia	13,761	1,443,185

names and addresses match same-sex couples from the 2010 ACS to Social Security administrative data. They find that 57 percent of married couples coded as same-sex in the ACS are coded as different-sex in the administrative data. The corresponding sex mismatch rate for unmarried same-sex couples is 7 percent. (Our data include 4,632 married and 4,428 unmarried same-sex immigrant couples.) A follow-up study ([Kreider et al., 2017](#)) shows that these mismatch rates appear to have fallen: In a 2016 ACS test module that included explicit categories for different- and same-sex spouses and partners, 31 percent of married and 3 percent of unmarried same-sex couples had inconsistent sex responses. This decreasing mismatch rate may be due to the greater numbers of same-sex couples openly identifying themselves as well as the growing popularity of responding to the ACS via Internet (see [Table C.1](#)), a response mode introduced in 2013 which is now the default ([U.S. Census Bureau, 2017](#)). In the 2016 test of the ACS, the mismatch rate for mail-in responses was 47 and 6 percent for married and unmarried same-sex couples, respectively, whereas for Internet responses they were only 22 and 2.4 percent ([Kreider et al., 2017](#)). A computer-assisted telephone interviewing (CATI) or computer-assisted personal interviewing (CAPI) response mode is sometimes administered as well, but the 2016 study did not assess its error rate. In the 2010

ACS, Kreider & Lofquist (2015) find CATI/CAPI sex reporting mismatch for 46 and 13 percent for married and unmarried same-sex couples, respectively. In our sample of immigrants in same-sex couples, 2,262 responded by mail, 1,202 responded by CAPI/CATI, and 3,625 responded by Internet survey. Response mode proportions by couple type are shown in Table C.1.

Table C.1: Response mode proportions for different- and same-sex couples, by survey year. Proportions are within columns.

Response mode	Couple type	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CATI/CAPI	Different-sex	0.454	0.443	0.409	0.422	0.400	0.356	0.351	0.335	0.317	0.291	0.265	0.234
Internet	Different-sex	0.000	0.000	0.000	0.000	0.000	0.443	0.466	0.498	0.530	0.562	0.589	0.626
Mail	Different-sex	0.546	0.557	0.591	0.578	0.600	0.200	0.183	0.166	0.152	0.147	0.146	0.139
CATI/CAPI	Same-sex	0.286	0.239	0.212	0.292	0.232	0.147	0.190	0.136	0.186	0.153	0.130	0.105
Internet	Same-sex	0.000	0.000	0.000	0.000	0.000	0.581	0.588	0.679	0.630	0.676	0.695	0.697
Mail	Same-sex	0.714	0.761	0.788	0.708	0.768	0.273	0.222	0.185	0.184	0.171	0.175	0.197

Figure C.1 takes Model 5 from Table 3 (which includes country and state controls and fixed effects) and reduces the proportions of same-sex couples in the data for pre-2019 data. It varies the percentage of misreported same-sex married couples from 0 to 90 percent and of unmarried couples from 0 to 14 percent; the horizontal axis shows a weighted average of misreporting between these two groups. Highlighted in dashed bars are the empirical mismatch rates found in the two studies by Kreider & Lofquist (2015) and Kreider et al. (2017). We see that even extremely high misreporting rates in the pre-2019 ACS do not render these coefficients insignificant.

Table C.2 shows the mismatch rates estimated by Kreider & Lofquist (2015) and Kreider & Lofquist (2015). In the analysis below (Table C.3), we use these apparent mismatch rates to adjust proportions used in models in Table 3 of the main paper. Each proportion is adjusted separately by marital status and response mode. For example, all internet respondents coded as being in married same-sex couples have their final proportion reduced by 22.5%. For mail-in responses, the proportions are reduced by the average between the two studies (53.2 percent for married and 6.3 percent for unmarried couples). Results are quite robust to high levels of misreporting.

Table C.2: Mismatch rates from Kreider & Lofquist (2015) and Kreider et al. (2017)

Study Year	Relationship	Mail	Internet	CAPI/CATI	Overall
2,010	Married	59%	NA	46%	57.3%
2,010	Unmarried Partner	7%	NA	13%	7%
2,016	Married	47.4%	22.5%	Unknown	35%
2,016	Unmarried Partner	5.6%	2.4%	Unknown	3.4%

Source: American Community Survey 2008-2019. Authors' calculations.

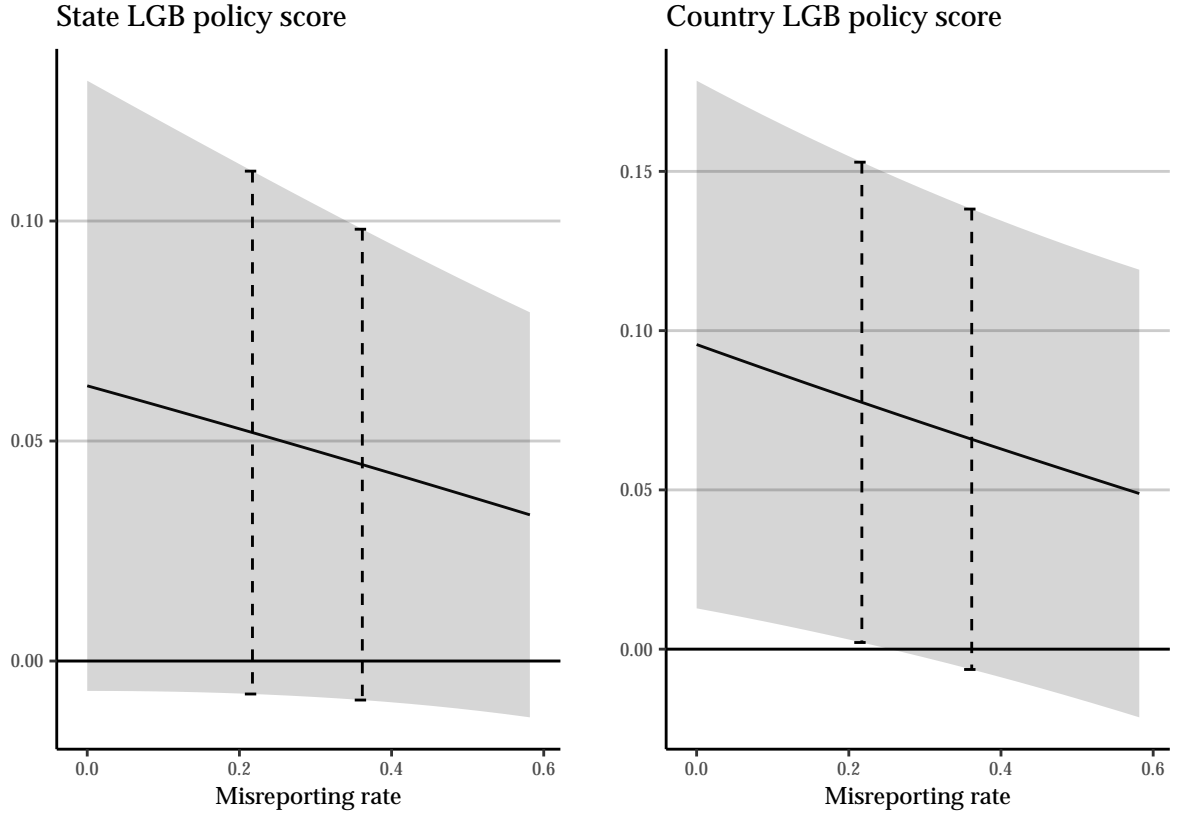


Figure C.1: Coefficients for sending-country and U.S. state LGB policy context for Model 5 from Table 3 in the main paper, adjusted for hypothetical misreporting rates of married and unmarried same-sex couples in pre-2019 data. Ribbon shows 95 percent confidence intervals and dashed bars show estimated misreporting from the 2010 and 2016 U.S. Census Bureau tests on the ACS.

Table C.3: Adjusted by rates of empirical sex mismatch by married, unmarried, and response mode. Percent same-sex in by country of origin, U.S. state, and survey year.

	<i>Dependent variable:</i>						
	Percent in same-sex couples by state-country-year						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Country LGB policy score	0.118*** (0.024)		0.114*** (0.024)	0.187** (0.066)	0.107 (0.065)	0.191** (0.065)	0.110 [†] (0.065)
State LGB policy score		0.088*** (0.017)	0.084*** (0.017)	0.071* (0.036)	0.043 (0.038)	0.081* (0.039)	0.051 (0.041)
State score \times country-score					0.020*** (0.006)		0.020*** (0.006)
Post-2013						-0.079 (0.087)	-0.065 (0.087)
State controls and FEs?	no	no	no	yes	yes	yes	yes
Country controls and FEs?	no	no	no	yes	yes	yes	yes
Observations	36,387	36,387	36,387	36,387	36,387	36,387	36,387

Note: [†] $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Country and state two-way clustered standard errors are shown in parentheses. State controls include unemployment rate and per-capita income. Country controls include population-weighted distance, contiguous border, common official language, common ethnic language, colonial relationship, per-capita GDP differential, unemployment differential, proportion same-country stock, and democracy.

Source: American Community Survey 2008-2019. Authors' calculations.

C.2 Alternate specifications

C.2.1 Relative immigrant population-weighted regressions

Table C.4: Weighted regression of percent same-sex in by country of origin, U.S. state, and survey year.

	<i>Dependent variable:</i>						
	Percent in same-sex couples by state-country-year						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Country LGB policy score	0.141*** (0.028)		0.132*** (0.027)	0.186 (0.220)	0.087 (0.216)	0.189 (0.218)	0.091 (0.215)
State LGB policy score		0.143*** (0.033)	0.139*** (0.033)	−0.020 (0.072)	−0.067 (0.074)	−0.007 (0.070)	−0.055 (0.073)
State score × country-score					0.025*** (0.005)		0.025*** (0.005)
Post-2013						−0.109 (0.103)	−0.098 (0.106)
State controls and FEs?	no	no	no	yes	yes	yes	yes
Country controls and FEs?	no	no	no	yes	yes	yes	yes
Observations	36,387	36,387	36,387	36,387	36,387	36,387	36,387

Note: † $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Country and state two-way clustered standard errors are shown in parentheses. State controls include unemployment rate and per-capita income. Country controls include population-weighted distance, contiguous border, common official language, common ethnic language, colonial relationship, wage differential, unemployment differential, proportion same-country stock, and democracy.

Source: American Community Survey 2008-2019. Authors' calculations.

C.2.2 Married, one-immigrant, and two-immigrant couples

Table C.5: Only married couples: Alternate specifications of OLS regressions of percent same-sex in by country of origin, U.S. state, and survey year.

	<i>Dependent variable:</i>						
	Percent in same-sex couples by state-country-year						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Country LGB policy score	0.092*** (0.016)		0.087*** (0.016)	0.188*** (0.040)	0.124** (0.042)	0.184*** (0.039)	0.118** (0.041)
State LGB policy score		0.098*** (0.014)	0.094*** (0.013)	0.058 [†] (0.033)	0.035 (0.035)	0.047 (0.036)	0.022 (0.037)
State score \times country-score					0.016** (0.005)		0.016** (0.005)
Post-2013						0.094 (0.079)	0.105 (0.077)
State controls and FEs?	no	no	no	yes	yes	yes	yes
Country controls and FEs?	no	no	no	yes	yes	yes	yes
Observations	36,387	36,387	36,387	36,387	36,387	36,387	36,387

Note: [†] $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Country and state two-way clustered standard errors are shown in parentheses. State controls include unemployment rate and per-capita income. Country controls include population-weighted distance, contiguous border, common official language, common ethnic language, colonial relationship, wage differential, unemployment differential, proportion same-country stock, and democracy.

Source: American Community Survey 2008-2019. Authors' calculations.

Table C.6: Only one-immigrant couples: Alternate specifications of OLS regressions of percent same-sex in by country of origin, U.S. state, and survey year.

	<i>Dependent variable:</i>						
	Percent in same-sex couples by state-country-year						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Country LGB policy score	0.094* (0.040)		0.084* (0.040)	0.301*** (0.069)	0.228** (0.080)	0.297*** (0.067)	0.224** (0.076)
State LGB policy score		0.198*** (0.039)	0.194*** (0.040)	0.129 (0.079)	0.096 (0.079)	0.120 (0.079)	0.086 (0.077)
State score \times country-score					0.018 (0.012)		0.018 (0.011)
Post-2013						0.070 (0.177)	0.082 (0.173)
State controls and FEs?	no	no	no	yes	yes	yes	yes
Country controls and FEs?	no	no	no	yes	yes	yes	yes
Observations	26,746	26,746	26,746	26,746	26,746	26,746	26,746

Note: † $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Country and state two-way clustered standard errors are shown in parentheses. State controls include unemployment rate and per-capita income. Country controls include population-weighted distance, contiguous border, common official language, common ethnic language, colonial relationship, wage differential, unemployment differential, proportion same-country stock, and democracy.

Source: American Community Survey 2008-2019. Authors' calculations.

Error in FUN(X[[i]], ...): No 'terms' column in result returned from `tidy()`

Table C.7: Only two-immigrant couples: Alternate specifications of OLS regressions of percent same-sex in by country of origin, U.S. state, and survey year.

	<i>Dependent variable:</i>						
	Percent in same-sex couples by state-country-year						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Country LGB policy score	0.072*** (0.022)		0.068** (0.022)	0.066 (0.061)	−0.004 (0.055)	0.067 (0.061)	−0.002 (0.054)
State LGB policy score		0.062*** (0.016)	0.059*** (0.015)	0.062 (0.045)	0.040 (0.048)	0.066 (0.051)	0.043 (0.054)
State score × country-score					0.017** (0.006)		0.016** (0.006)
Post-2013						−0.038 (0.134)	−0.026 (0.134)
State controls and FEs?	no	no	no	yes	yes	yes	yes
Country controls and FEs?	no	no	no	yes	yes	yes	yes
Observations	29,440	29,440	29,440	29,440	29,440	29,440	29,440

Note: † $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Country and state two-way clustered standard errors are shown in parentheses. State controls include unemployment rate and per-capita income. Country controls include population-weighted distance, contiguous border, common official language, common ethnic language, colonial relationship, wage differential, unemployment differential, proportion same-country stock, and democracy.

Source: American Community Survey 2008-2019. Authors' calculations.

C.3 Lagged policy variables

Table C.8: Country-of-origin and state LGB policy scores lagged by one year: Alternate specifications of OLS regressions of percent same-sex in by country of origin, U.S. state, and survey year.

	<i>Dependent variable:</i>						
	Percent in same-sex couples by state-country-year						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Country LGB policy score	0.145*** (0.028)		0.140*** (0.028)	0.197 [†] (0.101)	0.107 (0.102)	0.192 [†] (0.101)	0.101 (0.102)
State LGB policy score		0.108*** (0.022)	0.102*** (0.022)	0.085 [†] (0.046)	0.053 (0.052)	0.079 [†] (0.048)	0.046 (0.054)
State score \times country-score					0.023*** (0.007)		0.023*** (0.007)
Post-2013						0.103 (0.102)	0.120 (0.102)
State controls and FEs?	no	no	no	yes	yes	yes	yes
Country controls and FEs?	no	no	no	yes	yes	yes	yes
Observations	36,387	36,387	36,387	36,387	36,387	36,387	36,387

Note: [†] $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Country and state two-way clustered standard errors are shown in parentheses. State controls include unemployment rate and per-capita income. Country controls include population-weighted distance, contiguous border, common official language, common ethnic language, colonial relationship, wage differential, unemployment differential, proportion same-country stock, and democracy.

Source: American Community Survey 2008-2019. Authors' calculations.

D Full Regression Table

Table D.1: Percent same-sex in by country of origin, U.S. state, and survey year.

	<i>Dependent variable:</i>						
	Percent in same-sex couples by state-country-year						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Country LGB policy score	0.139*** (0.026)		0.134*** (0.026)	0.209*** (0.060)	0.120* (0.061)	0.207*** (0.060)	0.117† (0.060)
State LGB policy score		0.108*** (0.021)	0.102*** (0.021)	0.094* (0.042)	0.062 (0.044)	0.088† (0.047)	0.055 (0.048)
State score × country-score					0.022** (0.007)		0.022** (0.007)
Post-2013						0.045 (0.105)	0.061 (0.105)
Distance (km)				0.005*** (0.001)	0.005*** (0.001)	0.005*** (0.001)	0.005*** (0.001)
Contiguous border				9.910 (14.800)	6.150 (14.900)	10.100 (14.700)	6.430 (14.900)
Common official language				−49.200*** (8.180)	−47.400*** (7.860)	−49.300*** (8.290)	−47.500*** (7.970)
Common ethnic language				25.700*** (4.160)	24.700*** (4.000)	25.700*** (4.210)	24.700*** (4.050)
Ever colonial relationship				34.200*** (5.210)	32.700*** (4.950)	34.300*** (5.320)	32.800*** (5.070)
Per-cap. GDP difference				0.016 (0.024)	0.017 (0.024)	0.016 (0.024)	0.017 (0.024)
Unemployment difference				0.003 (0.018)	−0.002 (0.018)	0.003 (0.018)	−0.001 (0.018)
Liberal democracy (V-Dem)				0.033 (0.695)	0.073 (0.691)	0.027 (0.693)	0.065 (0.689)
Proportion same-country stock				−10.700 (57.500)	2.120 (58.000)	−11.500 (57.300)	1.150 (57.800)
State unemployment rate				0.036† (0.021)	0.035† (0.021)	0.039† (0.021)	0.039† (0.021)
State per-capita income				0.00004*** (0.00001)	0.00004*** (0.00001)	0.00004*** (0.00001)	0.00004*** (0.00001)
Constant	0.697*** (0.067)	0.641*** (0.058)	0.443*** (0.067)	−46.600*** (7.710)	−44.600*** (7.390)	−46.600*** (7.790)	−44.700*** (7.450)
State controls and FEs?	no	no	no	yes	yes	yes	yes
Country controls and FEs?	no	no	no	yes	yes	yes	yes
Observations	36,387	36,387	36,387	36,387	36,387	36,387	36,387

Note: † $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Country and state two-way clustered standard errors are shown in parentheses.

Source: American Community Survey 2008-2019. Authors' calculations.

E Full Country and U.S. State Rankings

Table E.1: Sending countries ranked by proportion immigrant couples with same-sex partners

Rank	Country of origin	Percentage same-sex	95% CI	Mean country policy score
1	Belgium	2.89 %	(1.53 %, 4.24 %)	6.2
2	Australia	2.66 %	(2.05 %, 3.27 %)	4.7
3	Netherlands	2.54 %	(1.66 %, 3.42 %)	7.7
4	Malaysia	2.49 %	(1.71 %, 3.28 %)	-1.0
5	Zimbabwe	2.32 %	(1.02 %, 3.63 %)	-1.0
6	Finland	2.31 %	(0.82 %, 3.80 %)	5.7
7	Singapore	2.28 %	(1.13 %, 3.44 %)	-0.4
8	Spain	2.22 %	(1.46 %, 2.97 %)	6.8
9	New Zealand	2.18 %	(1.22 %, 3.15 %)	6.2
10	France	2.09 %	(1.62 %, 2.55 %)	6.3
11	Sweden	2.00 %	(1.08 %, 2.91 %)	7.4
12	United Kingdom, ns	1.97 %	(1.64 %, 2.29 %)	4.8
13	Austria	1.91 %	(0.61 %, 3.22 %)	2.9
14	South Africa (Union of)	1.86 %	(1.34 %, 2.38 %)	6.7
15	Costa Rica	1.85 %	(0.74 %, 2.96 %)	2.6
16	Chile	1.78 %	(1.07 %, 2.49 %)	0.4
17	Brazil	1.73 %	(1.47 %, 2.00 %)	4.5
18	Ireland	1.70 %	(1.16 %, 2.24 %)	4.5
19	Switzerland	1.69 %	(0.74 %, 2.63 %)	3.6
20	Thailand	1.56 %	(1.10 %, 2.02 %)	2.6
21	Norway	1.50 %	(0.23 %, 2.76 %)	7.3
22	Italy	1.47 %	(1.09 %, 1.85 %)	3.5
23	Northern Ireland	1.44 %	(0.00 %, 3.13 %)	0.4
24	Argentina	1.43 %	(1.07 %, 1.79 %)	2.7
25	Canada	1.43 %	(1.26 %, 1.60 %)	4.9
26	Barbados	1.42 %	(0.08 %, 2.76 %)	0.0

Source: American Community Survey 2008-2019. Authors' calculations.

Rank	Country of origin	Percentage same-sex	95% CI	Mean country policy score
27	Kazakhstan	1.42 %	(0.13 %, 2.70 %)	1.9
28	Venezuela	1.42 %	(1.12 %, 1.73 %)	1.4
29	Germany	1.34 %	(1.09 %, 1.59 %)	3.3
30	Panama	1.34 %	(0.76 %, 1.92 %)	-0.8
31	Greece	1.29 %	(0.57 %, 2.01 %)	1.5
32	Colombia	1.21 %	(1.01 %, 1.41 %)	4.7
33	England	1.15 %	(0.85 %, 1.45 %)	4.6
34	Hungary	1.11 %	(0.54 %, 1.69 %)	2.4
35	Uruguay	1.11 %	(0.45 %, 1.77 %)	3.4
36	Indonesia	1.07 %	(0.65 %, 1.48 %)	-1.0
37	Nicaragua	1.06 %	(0.65 %, 1.46 %)	0.7
38	Bulgaria	1.05 %	(0.46 %, 1.64 %)	1.9
39	Guinea	1.04 %	(0.00 %, 2.73 %)	0.0
40	Paraguay	0.99 %	(0.00 %, 2.04 %)	-1.0
41	Philippines	0.96 %	(0.84 %, 1.07 %)	1.5
42	Turkey	0.96 %	(0.59 %, 1.33 %)	1.0
43	Scotland	0.90 %	(0.39 %, 1.40 %)	4.0
44	Sierra Leone	0.86 %	(0.00 %, 1.80 %)	0.0
45	Croatia	0.83 %	(0.29 %, 1.37 %)	2.7
46	Honduras	0.81 %	(0.56 %, 1.06 %)	0.9
47	Japan	0.81 %	(0.55 %, 1.07 %)	3.0
48	Trinidad and Tobago	0.80 %	(0.47 %, 1.13 %)	-1.0
49	Kenya	0.76 %	(0.25 %, 1.28 %)	-0.1
50	Dominican Republic	0.73 %	(0.53 %, 0.93 %)	1.7
51	Ecuador	0.70 %	(0.47 %, 0.94 %)	3.7
52	Fiji	0.69 %	(0.06 %, 1.32 %)	1.3
53	Peru	0.69 %	(0.50 %, 0.88 %)	1.9
54	Guatemala	0.67 %	(0.49 %, 0.84 %)	2.0
55	Azerbaijan	0.66 %	(0.00 %, 1.84 %)	1.0
56	Slovakia	0.66 %	(0.17 %, 1.16 %)	2.5

Source: American Community Survey 2008-2019. Authors' calculations.

Rank	Country of origin	Percentage same-sex	95% CI	Mean country policy score
57	Liberia	0.65 %	(0.00 %, 1.59 %)	0.0
58	Zambia	0.65 %	(0.00 %, 1.60 %)	-1.0
59	Other USSR/Russia	0.64 %	(0.47 %, 0.81 %)	1.4
60	Denmark	0.63 %	(0.12 %, 1.13 %)	7.3
61	Jamaica	0.62 %	(0.40 %, 0.83 %)	-1.0
62	Lebanon	0.61 %	(0.26 %, 0.97 %)	-2.0
63	Kuwait	0.60 %	(0.00 %, 1.24 %)	-1.0
64	Algeria	0.59 %	(0.12 %, 1.06 %)	-1.1
65	Poland	0.57 %	(0.41 %, 0.74 %)	2.9
66	Portugal	0.57 %	(0.21 %, 0.93 %)	4.2
67	Republic of Georgia	0.57 %	(0.00 %, 1.21 %)	1.5
68	El Salvador	0.53 %	(0.39 %, 0.66 %)	2.1
69	Guyana/British Guiana	0.53 %	(0.26 %, 0.80 %)	0.0
70	Haiti	0.53 %	(0.32 %, 0.75 %)	2.0
71	Burma (Myanmar)	0.52 %	(0.15 %, 0.90 %)	0.0
72	Vietnam	0.52 %	(0.40 %, 0.64 %)	2.0
73	Cambodia (Kampuchea)	0.51 %	(0.20 %, 0.81 %)	1.1
74	Jordan	0.51 %	(0.06 %, 0.95 %)	2.0
75	Mexico	0.49 %	(0.45 %, 0.54 %)	2.8
76	Syria	0.49 %	(0.06 %, 0.92 %)	-1.0
77	Egypt/United Arab Rep.	0.48 %	(0.25 %, 0.71 %)	1.0
78	Uganda	0.48 %	(0.00 %, 1.07 %)	-1.8
79	Bangladesh	0.46 %	(0.23 %, 0.69 %)	-1.0
80	Byelorussia	0.46 %	(0.09 %, 0.83 %)	-0.1
81	China	0.43 %	(0.36 %, 0.49 %)	0.6
82	Bosnia	0.42 %	(0.14 %, 0.70 %)	0.3
83	Iran	0.41 %	(0.25 %, 0.58 %)	-1.8
84	Ukraine	0.41 %	(0.25 %, 0.56 %)	1.3
85	Czech Republic	0.40 %	(0.05 %, 0.74 %)	3.4
86	United Arab Emirates	0.39 %	(0.00 %, 1.16 %)	-2.0

Source: American Community Survey 2008-2019. Authors' calculations.

Rank	Country of origin	Percentage same-sex	95% CI	Mean country policy score
87	Ghana	0.38 %	(0.16 %, 0.60 %)	0.0
88	Gambia	0.36 %	(0.00 %, 1.05 %)	0.0
89	Saudi Arabia	0.36 %	(0.13 %, 0.59 %)	-2.8
90	Latvia	0.35 %	(0.00 %, 0.87 %)	2.0
91	Pakistan	0.35 %	(0.18 %, 0.53 %)	-1.1
92	Senegal	0.35 %	(0.00 %, 0.77 %)	0.0
93	Nigeria	0.34 %	(0.13 %, 0.55 %)	-1.3
94	Romania	0.34 %	(0.18 %, 0.50 %)	2.5
95	Uzbekistan	0.34 %	(0.12 %, 0.56 %)	-1.0
96	Ethiopia	0.33 %	(0.15 %, 0.52 %)	0.0
97	Moldavia	0.33 %	(0.05 %, 0.61 %)	0.2
98	Laos	0.32 %	(0.08 %, 0.56 %)	2.0
99	Armenia	0.30 %	(0.00 %, 0.62 %)	1.2
100	Iraq	0.30 %	(0.07 %, 0.53 %)	0.0
101	Morocco	0.30 %	(0.10 %, 0.50 %)	-1.0
102	Nepal	0.29 %	(0.09 %, 0.49 %)	1.6
103	Sudan	0.28 %	(0.00 %, 0.60 %)	-1.6
104	Sri Lanka (Ceylon)	0.27 %	(0.00 %, 0.62 %)	0.0
105	Lithuania	0.26 %	(0.00 %, 0.58 %)	2.4
106	Tanzania	0.25 %	(0.00 %, 0.67 %)	-1.0
107	Macedonia	0.24 %	(0.00 %, 0.50 %)	2.0
108	Albania	0.23 %	(0.07 %, 0.39 %)	4.0
109	Cameroon	0.22 %	(0.00 %, 0.48 %)	0.0
110	India	0.22 %	(0.18 %, 0.26 %)	0.0
111	Bhutan	0.21 %	(0.00 %, 0.45 %)	0.0
112	Yemen Arab Republic (North)	0.15 %	(0.00 %, 0.46 %)	-2.0
113	Bolivia	0.11 %	(0.00 %, 0.22 %)	2.3

Source: American Community Survey 2008-2019. Authors' calculations.

Table E.2: States ranked by proportion immigrant couples
with same-sex partners

Rank	State	Percentage same-sex	95% CI	Mean state policy score
1	Vermont	1.55 %	(0.33 %, 2.76 %)	5.4
2	Maine	1.44 %	(0.51 %, 2.36 %)	4.7
3	Mississippi	1.01 %	(0.22 %, 1.79 %)	-0.6
4	New York	0.99 %	(0.89 %, 1.08 %)	5.0
5	Hawaii	0.98 %	(0.56 %, 1.40 %)	4.9
6	Missouri	0.94 %	(0.55 %, 1.32 %)	1.9
7	New Hampshire	0.94 %	(0.35 %, 1.53 %)	4.9
8	Massachusetts	0.93 %	(0.78 %, 1.08 %)	4.9
9	Florida	0.91 %	(0.82 %, 1.00 %)	1.3
10	Iowa	0.78 %	(0.31 %, 1.26 %)	5.0
11	California	0.75 %	(0.70 %, 0.80 %)	5.4
12	Nevada	0.71 %	(0.51 %, 0.91 %)	5.5
13	Minnesota	0.69 %	(0.43 %, 0.95 %)	4.7
14	Colorado	0.67 %	(0.50 %, 0.85 %)	5.0
15	Washington	0.67 %	(0.55 %, 0.80 %)	5.0
16	Nebraska	0.66 %	(0.17 %, 1.14 %)	1.0
17	New Mexico	0.66 %	(0.30 %, 1.01 %)	4.8
18	Connecticut	0.64 %	(0.46 %, 0.82 %)	5.4
19	Oregon	0.63 %	(0.44 %, 0.82 %)	5.9
20	Pennsylvania	0.63 %	(0.45 %, 0.82 %)	1.5
21	Rhode Island	0.63 %	(0.22 %, 1.03 %)	4.9
22	Utah	0.63 %	(0.36 %, 0.91 %)	2.5
23	Louisiana	0.62 %	(0.33 %, 0.92 %)	1.3
24	North Carolina	0.60 %	(0.43 %, 0.78 %)	1.3
25	Georgia	0.58 %	(0.45 %, 0.71 %)	0.4
26	Illinois	0.58 %	(0.48 %, 0.68 %)	5.7
27	Tennessee	0.58 %	(0.35 %, 0.81 %)	3.2

Source: American Community Survey 2008-2019. Authors' calculations.

Rank	State	Percentage same-sex	95% CI	Mean state policy score
28	Arizona	0.57 %	(0.44 %, 0.71 %)	1.8
29	Maryland	0.57 %	(0.43 %, 0.71 %)	5.1
30	West Virginia	0.57 %	(0.12 %, 1.03 %)	1.1
31	Alabama	0.56 %	(0.15 %, 0.97 %)	-0.3
32	New Jersey	0.56 %	(0.47 %, 0.65 %)	6.4
33	Kentucky	0.55 %	(0.25 %, 0.85 %)	1.3
34	Kansas	0.54 %	(0.21 %, 0.87 %)	0.8
35	Virginia	0.54 %	(0.42 %, 0.66 %)	0.4
36	Indiana	0.48 %	(0.29 %, 0.66 %)	1.9
37	Michigan	0.44 %	(0.32 %, 0.55 %)	1.3
38	Oklahoma	0.44 %	(0.18 %, 0.69 %)	0.1
39	Texas	0.44 %	(0.39 %, 0.50 %)	0.9
40	Arkansas	0.43 %	(0.13 %, 0.73 %)	-0.2
41	Wisconsin	0.42 %	(0.21 %, 0.62 %)	3.0
42	Ohio	0.39 %	(0.25 %, 0.53 %)	0.8
43	Wyoming	0.37 %	(0.00 %, 0.79 %)	0.8
44	South Carolina	0.23 %	(0.09 %, 0.37 %)	-0.3
45	South Dakota	0.22 %	(0.00 %, 0.53 %)	0.2
46	Idaho	0.13 %	(0.00 %, 0.25 %)	0.1

Source: American Community Survey 2008-2019. Authors' calculations.

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