

Sanctuary Policy and Higher Education: Evidence from the United States

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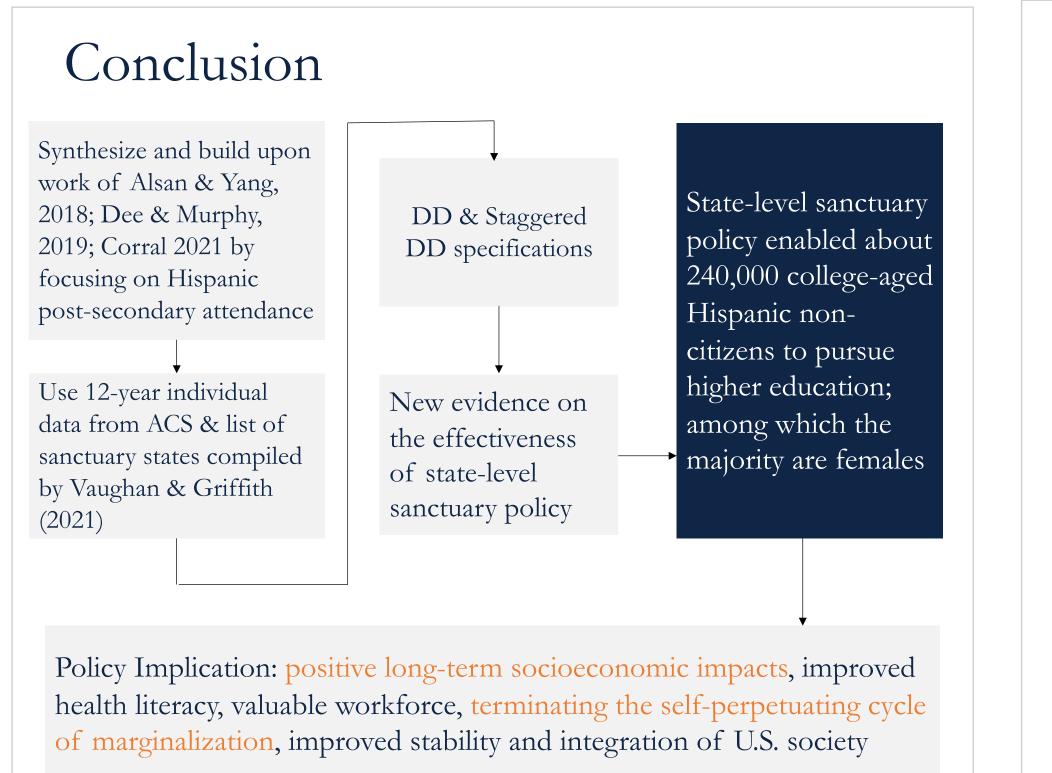
Research Questions:

- 1) Can state-level sanctuary policy shield college-aged Hispanic residents from education interruptions?
- 2) Are there spill-over effects between Hispanic citizens and Hispanic non-citizens?
- 3) Does the policy have gender differential impacts?

Key Findings

- State-level sanctuary policy increased Hispanic non-citizen college-aged Individuals' school attendance by about 3 percentage points, which translates to about 7% increase on average
- Spill-over effects may exist among the Hispanic community: non-citizens are clearly affected; mixed evidence on citizens. Effects on Hispanic citizens may not be robust to statespecific time trend, possibly due to upward trends induced by other influences in the treatment states
- Sanctuary states strongly increased female Hispanic noncitizens to attend post-secondary education (15% on average); whereas there are no robust upward effects on their male counterparts

	Effects of Wave 1 Sanctua	ry Policy on School Attendance of Average School Att	College-aged (19-22) Hispanic Ind endance of Each Group	ividuals
	All Hispanics	All Hispanics excluding Puerto Ricans & Cubans (alternative specification)		Puerto Ricans & Cubans only
		U.S. born	Non-U.S. born	
nean (pre-treatment years)	46.76%	51.79%	45.76%	53.15%
		nool Attandance Rates in Treatment s tuary States (excluding Wave 2, Way		
OLS (Diffs-in-diffs)	0.0223*** (0.008)	0.0234*** (0.006)	0.0247** (0.012)	-0.0009 (0.044)
add state fixed effects	0.0225*** (0.007)	0.0244*** (0.006)	0.0282** (0.011)	0.0053 (0.044)
add individual controls	0.0229*** (0.007)	0.0197*** (0.005)	0.0201** (0.009)	-0.0039 (0.052)
add time trend controls	0.0076 (0.005)	0.0020 (0.006)	0.0250*** (0.009)	-0.0003 (0.043)



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Advisors: Marit Rehavi and Nicole Fortin

Rationale

- Post-secondary Education Attendance as Research Interest: Plyler v. Doe (1982) legalizes K-12 education for all, including undocumented residents
- Hispanic Residents as Research Focus: The Hispanic community has the highest share of undocumented residents in the U.S., who may be susceptible to immigration enforcement policies & deportation
- U.S. born & Non-U.S. born Categorization to Study Spill-over Effects:
- The categorization enables the research to study potential spill-over effects of sanctuary policy, given the existence of many mixed-status households Puerto Ricans & Cubans as a Placebo:
- Puerto Ricans have statutory citizenship since 1917 after Puerto Rico became part of the U.S. territories; Cuban Adjustment Act (1966 - 2017) granted lawful residency to all Cubans who reached

Main Contributions

- 1st Paper to Conduct State-level Analysis on College Attendance
- > Previous literature conducts county-level analysis, with only one state sample as robustness check (Corral, 2021)
- > County-level sanctuary policy may not be perceived to be strong and secure enough to alter responses from the Hispanic community
- Evidence on the Effectiveness of Sanctuary Policy
- > The positive impacts of sanctuary policy on non-citizen Hispanic higher education attendance are robust across specifications
- > State-level sanctuary status significantly increases higher education attendance of female Hispanic citizens & non-citizens

Policy Relevance in the U.S. & Canada:

- > Canada's sanctuary cities to date: Toronto, Hamilton, London and Montreal; Vancouver and Ottawa still considering the designation
- > CA sanctuary cities grant access to public service for non-status residents (failed refugee claimants, undocumented or sponsorship-breakdown immigrants, expired visa holders)
- Sanctuary State/City movement continues to grow in the U.S. & Canada

Empirical Strategy

1	OLS DD: $Y_{ist} = \alpha_s + \gamma A fter_t + \theta D_{st} + X'_{ist}\beta + \delta_s t \times \alpha_s + \varepsilon_{ist}$
	α_s : state fixed effect
	After _t : post-treatment, year fixed effect
	D_{st} : equals 1 if it is a Hispanic individual residing in a state with active sanctuary status
	X _{ist} : individual controls
	t α_s : state-specific time trend
	ε _{ist} : error term
2	OLS Staggered DD: $Y_{ist} = \alpha_s + \rho_t + \gamma D_{st} + X'_{ist}\beta + \varepsilon_{ist}$
	α_s : state fixed effect
	ρ_t : year fixed effect
	D_{st} : equals 1 if it is a Hispanic individual residing in a state with
	active sanctuary status
	X'ist: individual controls
	ε _{ist} : error term

Gender Differential Impacts

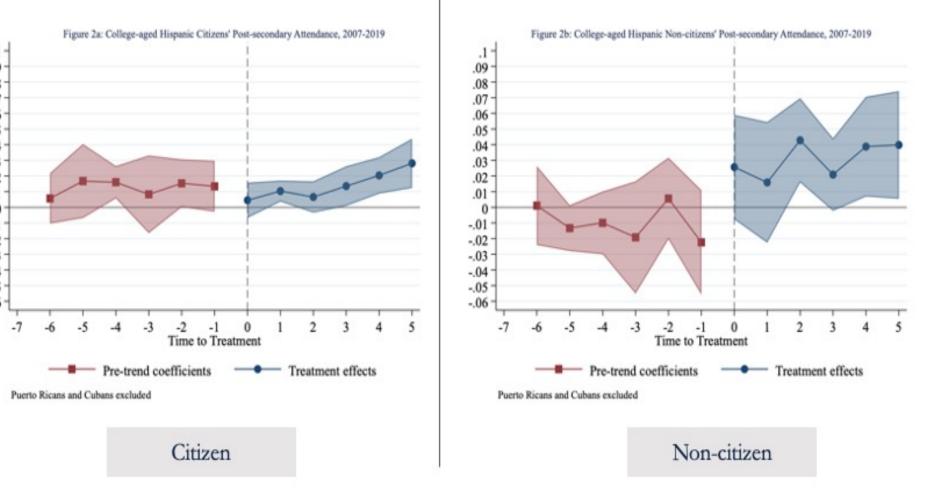
Table 4: Gender-based Analysis on the Effectiveness of State-level Sanctuary Policy (All Hispanics excluding Puerto Ricans & Cubans, 19 to 22 Years Old) US horn

	U.S. born				
	Wa	ve 1	Way	ve 2	
	Male (N=93,100)	Female (N=93,241)	Male (N=52,573)	Female (N=52,655)	
nn (before policy activation)	46.88%	57.91%	51.69%	63.24%	
S (Diffs-in-diffs), with state fixed cts, individual controls, and state- cific time trends	-0.0124* (0.007)	0.0183* (0.009)	-0.0415*** (0.011)	0.0426*** (0.013)	
		Non-U.	S. born		
	Wa	ve 1	Wa	ve 2	
	Male (N=33,134)	Female (N=27,098)	Male (N=23,124)	Female (N=18,546)	
n (before policy activation)	29.46%	38.76%	33.77%	42.21%	
S (Diffs-in-diffs), with state fixed cts, individual controls, and state- cific time trends	0.0011 (0.015)	0.0577*** (0.015)	0.0125 (0.044)	0.0213 (0.035)	



Table 1 - S	ummary Statistics by Sar	ctuary State Status (19-22	2 years old)
	Wave 1	Wave 2	Non-sanctuary States (excl. Oregon & Wave 3)
ispanic Population share (%)	47.61	47.83	41.86
Individual demographics:			
female (%)	21.19	8.31	7.36
with high school diploma (%)	38.28	14.72	13.07
igh proficiency in English (%)	37.92	14.47	12.91
Spanish speaker (%)	30.58	12.71	10.49
Migration & citizenship:			
U.S. Born (%) born abroad of U.S. citizen	34.81	12.86	11.23
parents (%)	0.37	0.24	0.23
naturalized citizens (%)	1.27	0.79	0.71
immigrant (%)	9.18	5.00	4.72
abroad migration (%)	0.37	0.22	0.25
between-state migration (%)	0.62	0.52	0.65
Income & social assistance:			
total family income (\$)	62139.37	61619.5	55294.8
employed (%)	25.41	10.65	9.59
Food Stamp recipient (%)	7.26	3.45	2.90
ierto Ricans & Cubans			
opulation Share (%)	0.96	3.30	2.14
opulation (N)	305,997	137,938	1,303,925

Borusyak et al. Imputation Method (2021): Wave 1



OLS DD Results: Wave 2

		Average School Atte	endance of Each Group	
	All Hispanics		to Ricans & Cubans (alternative fication)	Puerto Ricans & Cubans only
		U.S. born	Non-U.S. born	
e-treatment years)	48.39%	56.75%	32.47%	47.32%
		hool Attandance Rates in Treatment st r States (excluding Wave 1, Wave 3 &		
fs-in-diffs)	0.0280*** (0.0038)	0.0155*** (0.0054)	0.0248 (0.0234)	0.0484 (0.0298)
add state fixed effects	0.0256*** (0.0039)	0.0142** (0.0059)	0.0110 (0.0296)	0.0591** (0.0267)
add individual controls	0.0271*** (0.0038)	0.0175** (0.0066)	0.0274* (0.0158)	0.0286 (0.0211)
add time trend controls	-0.0011 (0.0162)	-0.0018 (0.0105)	0.0215* (0.0117)	-0.0060 (0.0255)

OLS Staggered DD Results: Wave 1 & 2

		Ispanic Individuals (Wave 1 & 2 vs. Other States, exluding Wave a All Hispanics excluding Puerto Ricans & Cubans (alternative specification)		
	All Hispanics		N. U.C.I	 Puerto Ricans & Cubans only 52.21%
nean (all years)	50.76%	U.S. born 54.47%	Non-U.S. born 35.56%	
	Panel	A: Sanctuary Policy Activation Year	Excluded	
DLS (Diffs-in-diffs), with year & tate fixed effects	0.0195*** (0.0068)	0.0211*** (0.0054)	0.0200* (0.0101)	0.0192 (0.0154)
add individual controls	0.0204*** (0.0061)	0.0173*** (0.0049)	0.0173** (0.0080)	0.0104 (0.0271)
	Panel	B: Sanctuary Policy Activation Yea	r Included	
DLS (Diffs-in-diffs), with year & tate fixed effects	0.0191** (0.0082)	0.0204*** (0.0060)	0.0206 (0.0131)	0.0209 (0.0271)
add individual controls	0.0204*** (0.0066)	0.0170*** (0.0057)	0.0184* (0.0094)	0.0143 (0.0258)
orusyak et al. Imputation ethod, with year & state fixed fects	0.0143* (0.0081)	0.0134*** (0.0039)	0.0298** (0.0138)	0.0191 (0.0208)
add individual controls	0.0232*** (0.0059)	0.0192*** (0.0043)	0.0286*** (0.0093)	0.0107 -0.0184
Observations	324,070	222,767	69,326	31,977

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