Not Without My Sister: The Impact of Same Sex Marriage on the Placement Outcomes of Foster Children

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Disclaimer

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- Queer youth 2.5 times more likely to be in foster care (Fish et al., 2019)

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- Same-sex marriage increased adoptions from foster care by 9-18% (Martin and Rodriguez, 2024)

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- 4. Which children benefited more or less?

This Matters for Policy Today

 2015-2020, nine states adopted legislation explicitly allowing private foster care placement agencies to discriminate against LGBTQ+ couples!

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- Same sex marriage reform decreased the rate of sibling separation.
 - Highest results for non-homogeneous groups, a 7 to 10 percentage point drop.

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 - Reduced sibling separation only constituted a small fraction of gains: 1-3 percent.
 - Nonetheless, among sibling groups composed of one young and one old child, quantitative results suggest 3 percent would have been separated without reform.

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 - Marriage rights also gave effective joint adoption rights
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- This sample constitutes half of states and 57 percent of the foster care population

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 - I do not use any information on race to do this!

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- An important mechanism through which changes in foster market conditions influence welfare
 - Allows identification of important parameters in structural model to estimate counterfactual outcomes

Summary of Removal Reasons to Validate Imputation

	Conditional Probability of	Unconditional
Removal Reason	Shared Removal Reason	Population Average
Physical Abuse	73%	15%
Sexual Abuse	67%	5%
Neglect	90%	60%
Parental Alcohol Abuse	81%	7%
Parental Drug Abuse	87%	28%
Child Drug Abuse	35%	1%
Child Disability	27%	3%
Child Behavioral Problem	53%	11%
Inability to Cope	78%	17%
Abandonment	75%	5%
Relinquishment	70%	1%
Inadequate Housing	82%	11%

Note: The conditional probability of shared removal reason is the probability that if one sibling has the given removal reason, all their siblings share that same reason. Shares don't sum to one, since each child may have multiple removal reasons.



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 Diff-in-diff with variation in treatment timing (Callaway and Sant'Anna, 2021)

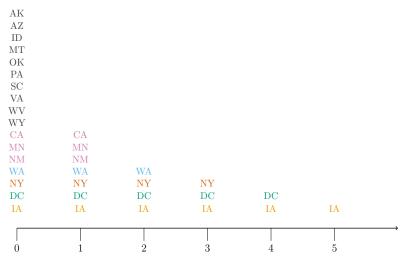
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- Treated group: states exposed to same-sex marriage and joint adoption legalization at the same time
- Control group: not-yet treated states

States in Treated Group by Years Since Reform



Note: Colors denote the following legalization years: 2014, 2013, 2012, 2011, 2010, 2009. Control states include: AR, GA, LA, MI, ND, SD, TN, and TX.

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No statistically distinguishable effect for:

- Single children aged < 10
- Sibling groups all aged < 10





Results by Race

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No statistically distinguishable effect for:

- Single white children
- Non-white sibling groups
- White sibling groups





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- Single male child: ↓ 4.3pp (vs 39% pre-reform)
- *Sibling groups of multiple sexes*: ↓ **2.5pp** (vs 11% pre-reform)

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- *Single male child*: ↓ **4.3pp** (vs 39% pre-reform)
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No statistically distinguishable effect for:

- Single female children
- All male sibling groups
- All female sibling groups



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No statistically distinguishable effect for:

- Single non-disabled children
- All non-disabled sibling groups
- All disabled sibling groups





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No statistically distinguishable effect for any other type





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 - Transferrable Utility: Utility can be transferred between family and child
 - Separability: Families see children of the same discrete type as substitutes and vice versa

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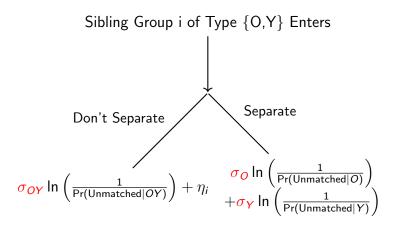
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• $\eta_i \sim N(\mu_{OY},1)$: Sibling group i's preference for remaining together

Sibling Group i of Type {O,Y} Enters Separate Don't Separate $\sigma_{OY} \ln \left(\frac{1}{\Pr(\mathsf{Unmatched}|OY)} \right) + \eta_i \\ + \sigma_Y \ln \left(\frac{1}{\Pr(\mathsf{Unmatched}|O)} \right)$



 σ: Importance of unobserved, idiosyncratic portion of preference

$$Pr(Group i Separated) = Pr(\eta_i < \mathbb{E}[u_O] + \mathbb{E}[u_Y] - \mathbb{E}[u_{OY}])$$
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- Use market-level variation in match probabilities to identify parameters

Parameter Estimates

Parameter	Estimate	Std Error
σ_{O}	0.179***	0.0124
σ_Y	0.0146***	0.0039
σ_{OY}	0.0912***	0.0057
σ_{OO}	0.0801***	0.0100
σ_{YY}	0.0583***	0.0047
μ_{YY}	0.787***	0.0135
μ_{OY}	-0.228***	0.0156
μ_{OO}	-0.0236*	0.0137

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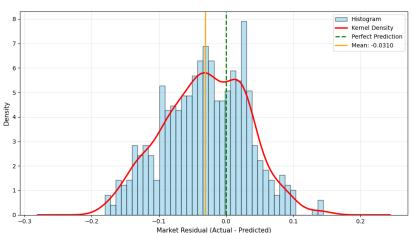
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Model Validation: Predicted vs Actual Probability of Separation

Figure: Out of Sample Prediction Errors on Untargeted Markets



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 - Gain due to reduced probability of going unmatched
 - Gain due to reduced sibling separation

		Percent Change	Share of Gain due to Reduced Sibling	
Туре	ATET	in Total Welfare	Separation	N
Old-Old	-0.0816**	4.97%	0.05%	29,697
	(0.0386)			
Mixed Age	-0.0570***	7.78%	3.09%	27,372
	(0.0110)			
Young-Young	-0.0021	0.64%	0.26%	110,944
	(0.0066)			
Single Young	0.0006	-0.69%		521,494
	(0.0057)			
Single Old	-0.0451**	14.99%		474,859
	(0.0196)			
All		5.32%		

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Old-Old	-0.0816**	4.97%	0.05%	29,697
	(0.0386)			
Mixed Age	-0.0570***	7.78%	3.09%	27,372
	(0.0110)			
Young-Young	-0.0021	0.64%	0.26%	110,944
	(0.0066)			
Single Young	0.0006	-0.69%		521,494
	(0.0057)			
Single Old	-0.0451**	14.99%		474,859
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All		5.32%		

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- Email inmanch@umich.edu for questions and comments!
 Thank you!

Figure: ATET: Probability a Single Child Aged ≥ 10 was Unmatched

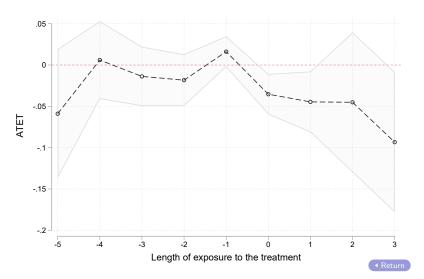


Figure: ATET: Probability a Single Child Aged < 10 was Unmatched

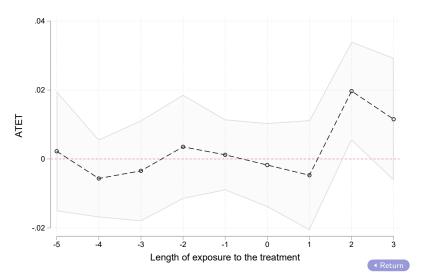


Figure: ATET: Probability a Sibling Group All Aged ≥ 10 was Unmatched

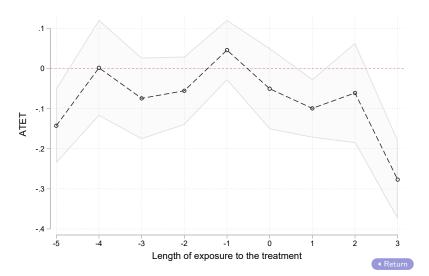


Figure: ATET: Probability a Sibling Group All Aged < 10 was Unmatched

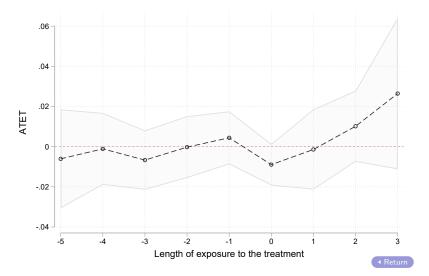


Figure: ATET: Probability a Sibling Group of Mixed Age Groups was Unmatched

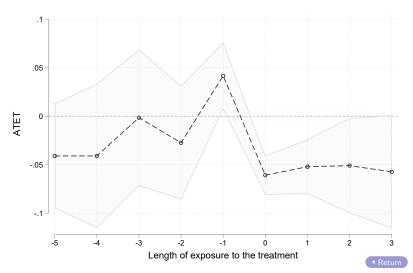


Figure: ATET: Probability a Single Non-White Child was Unmatched

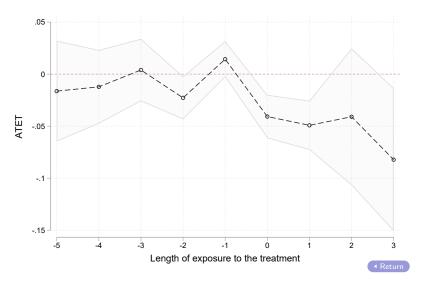


Figure: ATET: Probability a Single White Child was Unmatched

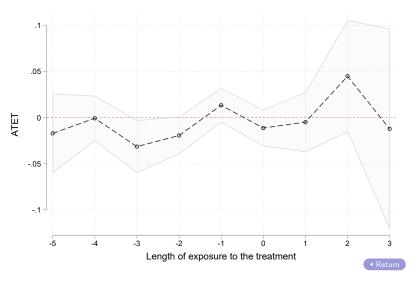


Figure: ATET: Probability a Non-White Sibling Group was Unmatched

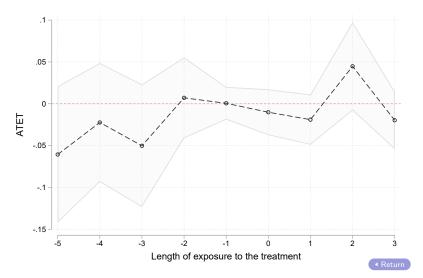


Figure: ATET: Probability a White Sibling Group was Unmatched

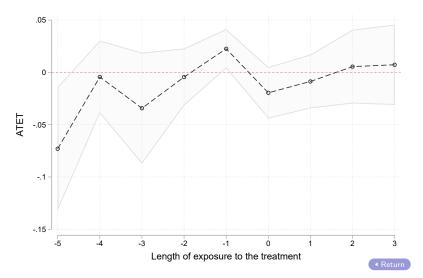


Figure: ATET: Probability a Sibling Group of Multiple Races was Unmatched

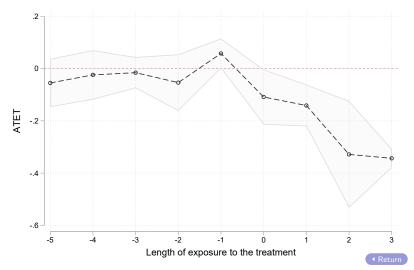


Figure: ATET: Probability a Single Male Child was Unmatched

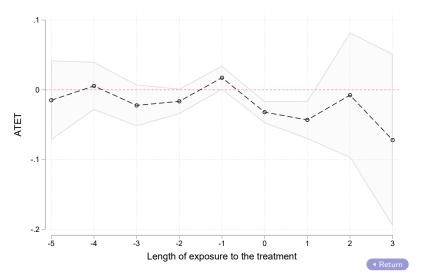


Figure: ATET: Probability a Single Female Child was Unmatched

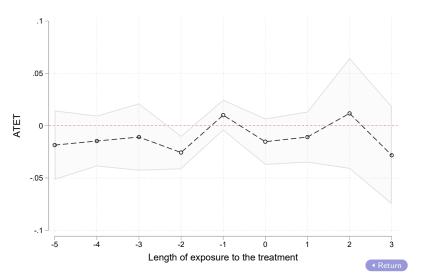


Figure: ATET: Probability an All Male Sibling Group was Unmatched

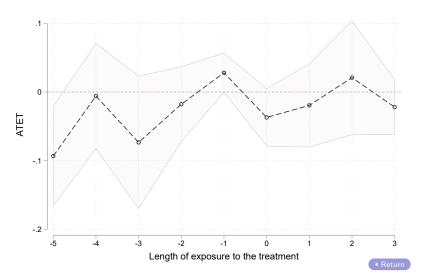


Figure: ATET: Probability an All Female Sibling Group was Unmatched

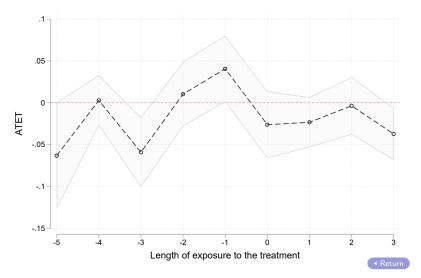


Figure: ATET: Probability a Sibling Group of Multiple Sexes was Unmatched

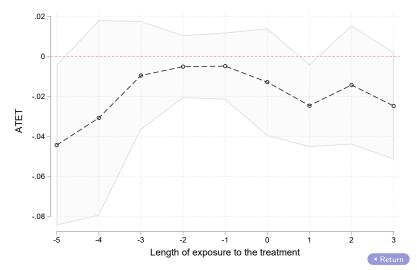


Figure: ATET: Probability a Single Non-Disabled Child was Unmatched

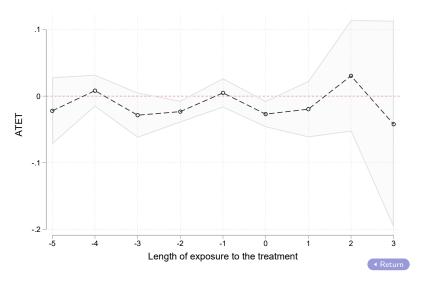


Figure: ATET: Probability a Single Disabled Child was Unmatched

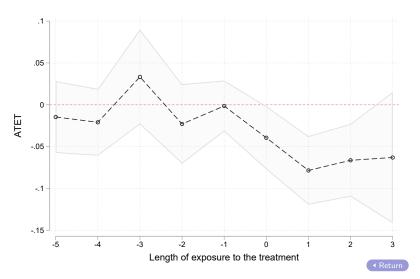


Figure: ATET: Probability a Non-Disabled Sibling Group was Unmatched

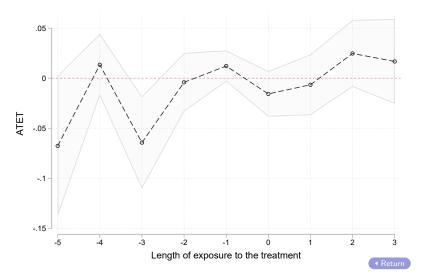


Figure: ATET: Probability a Sibling Group of All Disabled Children was Unmatched

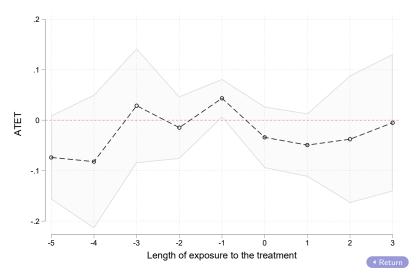


Figure: ATET: Probability a Sibling Group of Multiple Disability Statuses was Unmatched

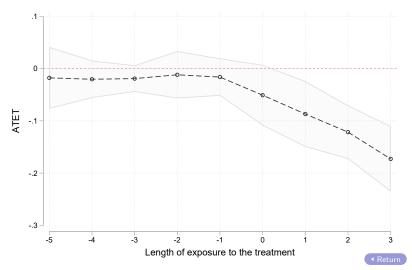


Figure: ATET: Probability a Sibling Group All Aged ≥ 10 was Separated

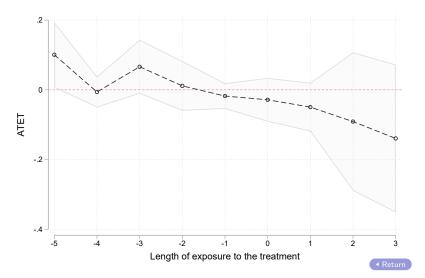


Figure: ATET: Probability a Sibling Group All Aged < 10 was Separated

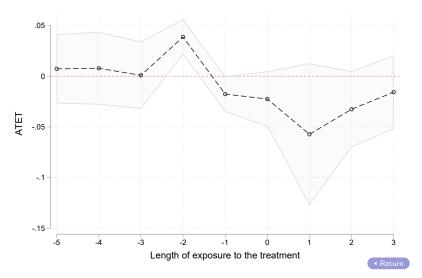


Figure: ATET: Probability a Sibling Group of Mixed Age Groups was Separated

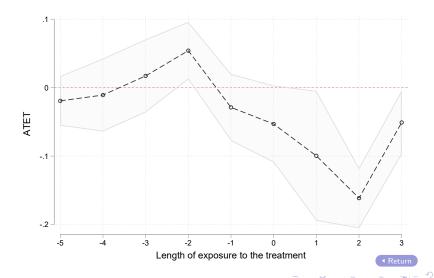


Figure: ATET: Probability a Non-White Sibling Group was Separated

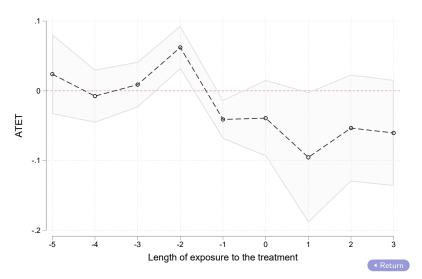


Figure: ATET: Probability a White Sibling Group was Separated

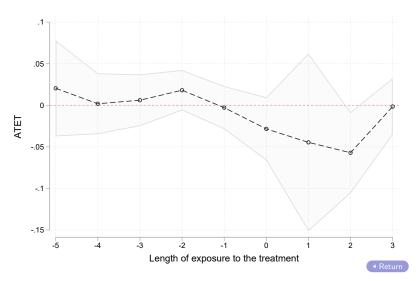


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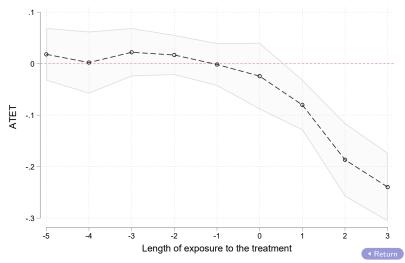


Figure: ATET: Probability an All Male Sibling Group was Separated

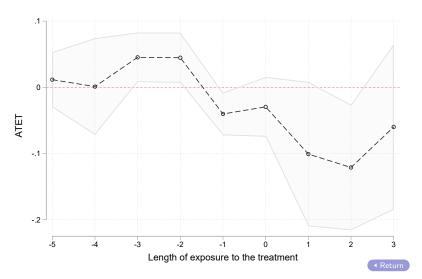


Figure: ATET: Probability an All Female Sibling Group was Separated

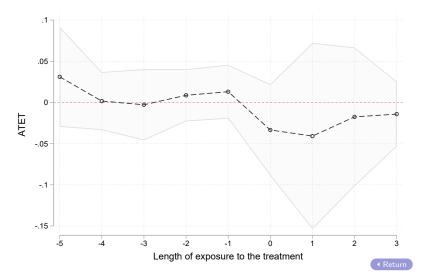


Figure: ATET: Probability a Sibling Group of Multiple Sexes was Separated

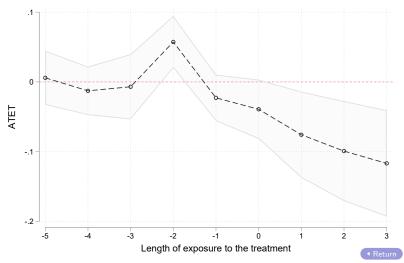


Figure: ATET: Probability a Non-Disabled Sibling Group was Separated

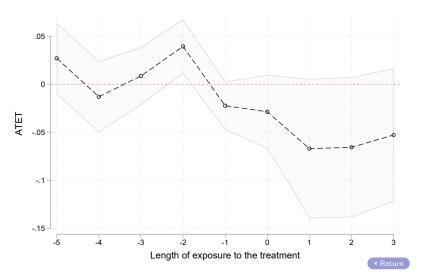


Figure: ATET: Probability a Sibling Group of All Disabled Children was Separated

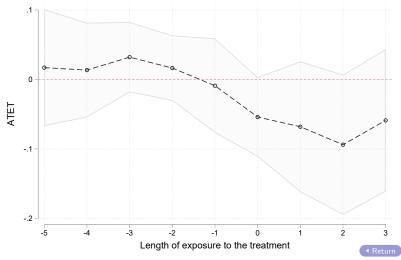


Figure: ATET: Probability a Sibling Group of Multiple Disability Statuses was Separated

