



Easily Overstated:

Estimating the Relationship Between State Justice Policy Environments and Falling Rates of Youth Confinement

APPENDIX



**RESEARCH AND
EVALUATION CENTER**

Table A1: State Policy Characteristics

Policy Environment Scale: Juvenile Court Policies																											
	AL	AK	AZ	AR	CA	CO	CT	DC	DE	FL	GA	HI	ID	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO	
Laws include purpose clause	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Judicial/admin actor decides diversion	■	■					■					■	■			■				■			■			■	
Restricts court shackling		■			■		■	■		■			■	■	■					■		■					
Has youth-specific competency standard	■		■	■	■	■	■	■	■	■	■		■				■		■	■	■	■		■	■		
Considers immaturity in competency standards																				■							
Does not register for sex crime convictions		■					■	■			■	■									■						

Policy Environment Scale: Juvenile Justice Service Policies																											
	AL	AK	AZ	AR	CA	CO	CT	DC	DE	FL	GA	HI	ID	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO	
Prohibits solitary confinement		■	■	■		■	■	■		■	■	■	■	■						■	■	■					■
Family/child welfare agency oversees placement system		■		■		■	■		■			■				■							■	■		■	■
Admin agencies determine release from out-of-home placements			■	■	■	■			■		■	■	■	■	■					■		■		■	■		
Mental health screen used for dispositions	■	■	■		■	■	■		■	■	■	■		■		■	■	■	■	■			■	■	■	■	■
Tracks recidivism		■	■	■	■	■	■	■	■	■	■		■		■	■	■		■	■	■	■	■				■
Support for EBP	■		■		■	■	■	■	■	■	■	■	■	■	■			■	■		■	■				■	

Policy Environment Scale: Jurisdictional Boundary Policies																											
	AL	AK	AZ	AR	CA	CO	CT	DC	DE	FL	GA	HI	ID	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO	
Sets lower age of juvenile delinquency jurisdiction			■	■		■	■										■		■		■	■		■	■		
Sets upper age of juvenile delinquency jurisdiction at 17 or older	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		■	■			■	■		
Has extended age of juvenile delinquency jurisdiction over age 20					■	■						■					■										
Without prosecutorial / legislative adult transfer discretion					■							■					■			■						■	

Table A1: State Policy Characteristics (continued)

Policy Environment Scale: Juvenile Court Policies

	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	
Laws include purpose clause	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Judicial/admin actor decides diversion	■							■				■	■				■		■							
Restricts court shackling		■	■	■		■		■	■			■	■		■				■	■		■				
Has youth-specific competency standard		■	■	■	■	■	■			■		■				■	■	■	■		■			■	■	
Considers immaturity in competency standards				■												■										
Does not register for sex crime convictions		■				■	■													■			■			

Policy Environment Scale: Juvenile Justice Service Policies

	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	
Prohibits solitary confinement	■	■		■	■	■	■		■	■	■	■	■		■		■		■	■	■				■	
Family/child welfare agency oversees placement system		■	■	■		■	■					■	■				■		■	■		■			■	
Admin agencies determine release from out-of-home placements	■	■	■	■	■	■	■	■	■		■				■			■	■		■	■		■		
Mental health screen used for dispositions	■			■	■	■		■	■	■	■	■	■	■	■	■		■	■	■	■	■		■	■	
Tracks recidivism	■				■	■		■		■	■	■	■		■		■	■	■		■				■	
Support for EBP		■		■	■		■	■		■	■	■	■	■		■	■	■	■			■	■	■		

Policy Environment Scale: Jurisdictional Boundary Policies

	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	
Sets lower age of juvenile delinquency jurisdiction							■	■	■				■			■		■		■				■		
Sets upper age of juvenile delinquency jurisdiction at 17 or older	■	■	■	■	■	■			■	■	■	■	■	■		■	■		■	■	■	■	■		■	
Has extended age of juvenile delinquency jurisdiction over age 20	■				■							■								■				■		
Without prosecutorial / legislative adult transfer discretion				■													■	■								

Table A2:
Coding Scheme for 16 Indicators of State Youth Justice Policy Environments

Jurisdictional Boundary Policies		Scale Score
Lower Age	No age specified	0
	Age 6, 7, 8 or 10	1
Upper Age	Age 15 or 16	0
	Age 17 or older	1
Extended Age	Age 18, 19, or 20	0
	Age 21 or older	1
Discretion Over Criminal Court Transfer	Prosecutor, legislature, or both	0
	Juvenile/family court judge only	1
Juvenile Court Policies		Scale Score
Purpose Clause	No purpose clause	0
	Purpose clause based on: balanced & restorative justice; developmental; due process; parens patriae	1
Discretion Over Intake Diversion	Determined by offense, by court, or by prosecutor	0
	Within the discretion of juvenile court intake officer	1
Courtroom Shackling of Juveniles	No restrictions on shackling use	0
	Judiciary or legislative restrictions	1
Competency Standard	No standard or adult standard used	0
	Juvenile-specific standard	1
Competency Standard Considers Youth Maturity	No	0
	Yes	1
Sex Offender Registry Includes Juveniles	Yes	0
	No	1
Juvenile Justice Service Policies		Scale Score
Solitary Confinement of Juveniles	Permitted with or without limits	0
	Prohibited	1
Agency Overseeing Youth Confinement	Adult corrections or independent youth corrections agency	0
	Child welfare or human services agency	1
Authority Over Youth Releases from Placement	Court with or without agency concurrence	0
	Agency or parole board without court	1
Mental Health Screening	None or state provides no information	0
	Used by probation, detention or corrections, or multiple	1
Regular Tracking of Youth Recidivism	Does not track recidivism	0
	Tracks recidivism for at least some youth populations	1
Support for Evidence-Based Programs	No formal support for EBP or State provides no information	0
	Support for EBP through statute, administrative regulations, or the inclusion of an EBP support entity	1

Table A3:
Grouped Youth Justice Policy Environment Scores

Least Progressive		Moderately Progressive		Most Progressive	
Score	States	Score	States	Score	States
4	KY	7	IL MD MS OH OK	9	AK ID NE NJ OR VT
5	MI WV WY	8	AR AZ DC DE FL GA KS MT NC NY SD TN TX WI	10	CA MA NM PA
6	AL IA IN LA MN MO NV ND RI SC VA WA			11	CO HI NH UT
				12	CT ME

Table A4:
 Youth Confinement Rates Regressed on Indicators of Juvenile Justice Policy Environment Using Ordinal Measure of Scale with States Grouped Based on 25th and 75th Percentiles of Scale Score (n=50)

	Model 1	Model 2	Model 3	Model 4	Model 5
TIME-VARYING INDICATORS					
Intercept	237.950 *** (12.889)	245.732 *** (13.030)	286.736 *** (64.428)	281.763 *** (69.741)	247.532 ** (81.343)
Time	-11.864 ** (4.308)	-15.881 *** (1.147)	-15.882 *** (1.147)	-12.229 * (5.599)	-10.618 (6.131)
Time ²	-0.393 (.387)	-	-	-	-
Youth Violent Crime Arrest Rate _{t-1} (Logged)	-	-	-	-	-3.326 (7.706)
Youth Arrest Rate _{t-1} (Square root)	-	-	-	-	0.662 * (.331)
Unemployment Rate	-	-	-	-	-3.166 ** (1.072)
Per Capita Income (Square root)	-	-	-	-	0.076 (.432)
State Ideology	-	-	-	-	0.148 (.244)
TIME-STATIC INDICATOR (SCALE)					
Moderately Progressive (25th-75th Percentile)	-	-	-30.746 (65.311)	-22.63 (71.264)	-31.831 (63.955)
Most Progressive (Above 75th Percentile)	-	-	-70.456 (67.121)	-69.853 (73.14)	-84.254 (67.451)
CROSS-LEVEL INTERACTION (SCALE*WAVE)					
Moderately Progressive x Wave	-	-	-	-5.846 (5.749)	-5.313 (5.902)
Most Progressive x Wave	-	-	-	-0.494 (5.905)	0.077 (6.115)
RANDOM-EFFECTS VARIANCES					
State	67.869 *** (10.647)	81.179 *** (12.197)	78.248 *** (10.465)	77.441 *** (10.398)	74.594 *** (9.876)
Wave	-	6.283 *** (.940)	6.293 *** (.926)	5.715 *** (.849)	5.508 *** (.833)
Residual	34.959 *** (2.624)	29.824 *** (2.513)	29.817 *** (2.521)	29.852 *** (2.531)	29.532 *** (2.579)
State Sample	50	50	50	50	50
State-period Sample	444	444	444	444	444

*p < 0.05 **p < 0.01 ***p < 0.001. Note: Standard errors are in parentheses.

Data Source: Data on the 16 state-level indicators of youth justice policy environment from the National Center for Juvenile Justice's compendium of justice system characteristics, Juvenile Justice, Geography, Policy, Practice & Statistics.

Table A5:
 Youth Confinement Rates Regressed on Indicators of Juvenile Justice Policy Environment Using Ordinal Measure of Scale with States Grouped based on Scale Score One Standard Deviation Above and Below the Mean Scale Score (n=50)

	Model 1	Model 2	Model 3	Model 4	Model 5
TIME-VARYING INDICATORS					
Intercept	237.950 *** (12.889)	245.732 *** (13.030)	286.808 *** (64.354)	281.762 *** (69.741)	243.888 ** (82.046)
Time	-11.864 ** (4.308)	-15.881 *** (1.147)	-15.882 *** (1.147)	-12.229 * (5.599)	-10.714 (6.094)
Time ²	-0.393 (0.387)	-	-	-	-
Youth Violent Crime Arrest Rate _{t-1} (Logged)	-	-	-	-	-1.858 (7.905)
Youth Arrest Rate _{t-1} (Square root)	-	-	-	-	0.575 (.323)
Unemployment Rate	-	-	-	-	-3.228 ** (1.065)
Per Capita Income (Square root)	-	-	-	-	0.082 (0.424)
State Ideology	-	-	-	-	0.195 (0.240)
TIME-STATIC INDICATOR (SCALE)					
Moderately Progressive (25th-75th Percentile)	-	-	-36.295 (65.151)	-29.991 (71.172)	-40.020 (65.209)
Most Progressive (Above 75th Percentile)	-	-	-74.668 (67.969)	-71.803 (74.233)	-85.432 (69.297)
CROSS-LEVEL INTERACTION (SCALE*WAVE)					
Moderately Progressive x Wave	-	-	-	-4.511 (5.744)	-3.951 (5.894)
Most Progressive x Wave	-	-	-	-2.074 (6.064)	-1.681 (6.166)
RANDOM-EFFECTS VARIANCES					
State	67.869 *** (10.647)	81.179 *** (12.197)	78.720 *** (11.008)	78.436 *** (10.990)	76.410 *** (10.559)
Wave	-	6.283 *** (0.940)	6.238 *** (0.938)	6.067 *** (0.827)	5.843 *** (0.815)
Residual	34.959 *** (2.624)	29.824 *** (2.513)	29.850 *** (2.523)	29.866 *** (2.527)	29.532 *** (2.579)
State Sample	50	50	50	50	50
State-period Sample	444	444	444	444	444

*p < 0.05 **p < 0.01 ***p < 0.001. Note: Standard errors are in parentheses.

Data Source: Data on the 16 state-level indicators of youth justice policy environment from the National Center for Juvenile Justice's compendium of justice system characteristics, Juvenile Justice, Geography, Policy, Practice & Statistics.

Table A6:
 Youth Confinement Rates Regressed on Indicators of Juvenile Justice Policy Environment Using Continuous Measure of Juvenile Justice Policy Environment Scale, Excluding Arkansas, Missouri, Maryland and New York (n=46)

	Model 1	Model 2	Model 3	Model 4	Model 5
TIME-VARYING INDICATORS					
Intercept	244.614 *** (13.554)	251.496 *** (13.757)	355.771 *** (48.988)	362.65 *** (53.705)	309.568 *** (74.725)
Time	-12.886 ** (4.574)	-16.430 *** (1.188)	-16.426 *** (1.187)	-21.065 *** (5.108)	-19.241 *** (4.990)
Time ²	-0.347 (0.412)	-	-	-	-
Youth Violent Crime Arrest Rate _{t-1} (Logged)	-	-	-	-	-1.157 (6.932)
Youth Arrest Rate _{t-1} (Square root)	-	-	-	-	0.669 (0.282)
Unemployment Rate	-	-	-	-	-3.529 ** (1.161)
Per Capita Income (Square root)	-	-	-	-	0.168 (0.382)
State Ideology	-	-	-	-	0.145 (0.203)
TIME-STATIC INDICATOR					
Scale	-	-	-13.217 * (5.878)	-14.092 * (6.486)	-16.250 ** (5.825)
CROSS-LEVEL INTERACTION					
Scale x Wave	-	-	-	0.588 (0.605)	0.595 (0.522)
RANDOM-EFFECTS VARIANCES					
State	69.448 *** (11.029)	81.783 *** (12.666)	77.405 *** (11.810)	77.225 *** (11.836)	73.888 *** (8.593)
Wave	-	6.116 *** (1.043)	6.091 *** (1.024)	5.977 *** (1.120)	5.762 *** (0.921)
Residual	35.444 *** (2.784)	30.638 *** (2.621)	30.653 *** (2.623)	30.663 *** (2.622)	30.219 *** (1.250)
State Sample	46	46	46	46	46
State-period Sample	408	408	408	408	408

*p < 0.05 **p < 0.01 ***p < 0.001. Note: Standard errors are in parentheses.

Data Source: Data on the 16 state-level indicators of youth justice policy environment from the National Center for Juvenile Justice's compendium of justice system characteristics, Juvenile Justice, Geography, Policy, Practice & Statistics.

Table A7:
 Youth Confinement Rates Regressed on Indicators of Juvenile Justice Policy Environment Using Ordinal Measure of Scale, Excluding Arkansas, Missouri, Maryland and New York) (n=46)

	Model 1	Model 2	Model 3	Model 4	Model 5
TIME-VARYING INDICATORS					
Intercept	244.614 *** (13.554)	251.496 *** (13.757)	282.478 *** (19.104)	282.986 *** (20.480)	233.932 *** (64.704)
Time	-12.866 ** (4.574)	-16.430 *** (1.188)	-16.428 *** (1.188)	-16.776 *** (2.256)	-13.838 *** (3.297)
Time ²	-0.347 (0.412)	-	-	-	-
Youth Violent Crime Arrest Rate _{t-1} (Logged)	-	-	-	-	-1.233 (7.958)
Youth Arrest Rate _{t-1} (Square root)	-	-	-	-	0.718 * (0.339)
Unemployment Rate	-	-	-	-	-3.581 ** (1.126)
Per Capita Income (Square root)	-	-	-	-	-0.042 (0.433)
State Ideology	-	-	-	-	0.091 (0.252)
TIME-STATIC INDICATOR (SCALE)					
Moderately Progressive	-	-	-25.694 (29.451)	-20.144 (32.385)	-18.908 (30.282)
Most Progressive	-	-	-65.017 * (27.383)	-71.016 * (30.083)	-76.750 * (30.082)
CROSS-LEVEL INTERACTION (SCALE*WAVE)					
Moderately Progressive x Wave	-	-	-	-3.348 (2.702)	-3.881 (2.444)
Most Progressive x Wave	-	-	-	4.044 (2.934)	3.974 (3.013)
RANDOM-EFFECTS VARIANCES					
State	69.448 *** (11.029)	81.783 *** (12.666)	77.294 *** (11.469)	76.307 *** (11.320)	72.636 *** (10.618)
Wave	-	6.116 *** (1.043)	6.144 *** (1.024)	5.385 *** (1.115)	5.112 *** (1.138)
Residual	35.444 *** (2.784)	30.638 *** (2.621)	30.074 *** (2.586)	30.660 *** (2.620)	30.244 *** (2.705)
State Sample	46	46	46	46	46
State-period Sample	408	408	408	408	408

*p < 0.05 **p < 0.01 ***p < 0.001. Note: Standard errors are in parentheses.

Data Source: Data on the 16 state-level indicators of youth justice policy environment from the National Center for Juvenile Justice's compendium of justice system characteristics, Juvenile Justice, Geography, Policy, Practice & Statistics.