Employment Challenges Faced by People with Criminal Histories

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Main questions

- How do the employment outcomes of people with criminal histories compare to those without?
- Are employers more willing to hire people with criminal histories when workers are hard to find?
- Which public policies can best promote the reintegration of people with criminal histories into the workforce?

Paper summary

- Establish some empirical facts using a combination of ACS and CPS data pertaining to people from high-risk demographic groups.
- Policy options to improve employment prospects studies in the extant empirical and theoretical research
 - Limit access to, use of, information pertaining to criminal histories i.e., "Ban-the-box laws"
 - Provide better information to private and public sector employers.
 - Limit employer liability through formal certification of rehabilitation.

Identifying individuals with high-likelihood of current or past criminal justice involvement using the 2019, five-year American Community Survey File

- Measure proportion in institutional group-quarters by demographic group
- Restrict to ages 22 through 55
- Dimensions: states + DC (51 groups), immigration state (2 categories), gender (2 categories), age (7 categories), education (4 categories), and race/ethnicity (5 categories).
- Compare employment outcomes among the non-institutionalized in deciles 6 through 10 of the "institutionalization risk" variable against individuals in the bottom half of the distribution.

Figure 1: Proportion in Institutionalized Group Quarters by Gender, and Race/Ethnicity Among People 22 to 55 Years of Age, 1970 through 2019

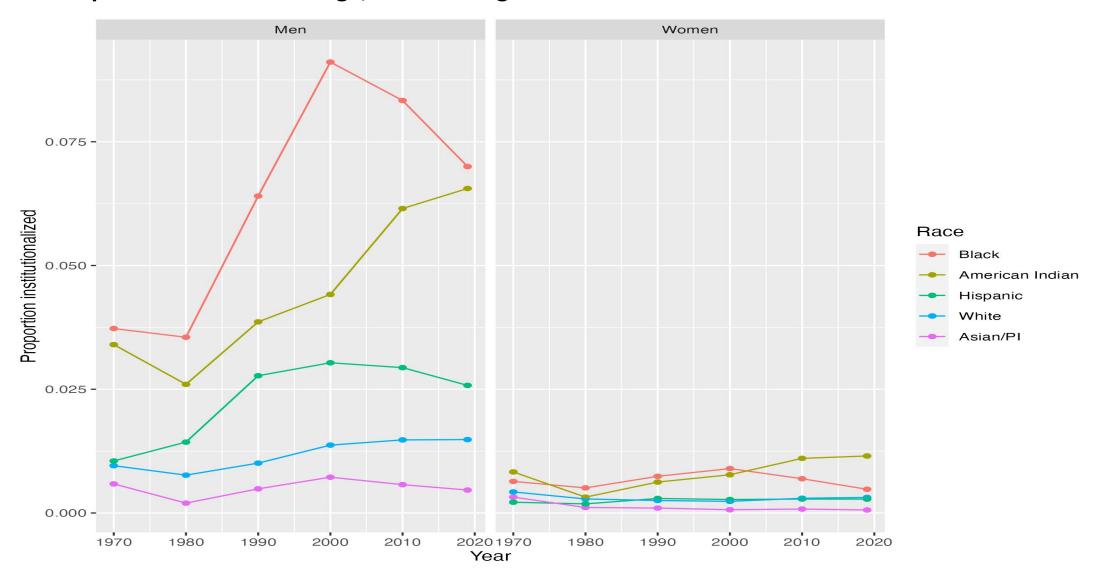
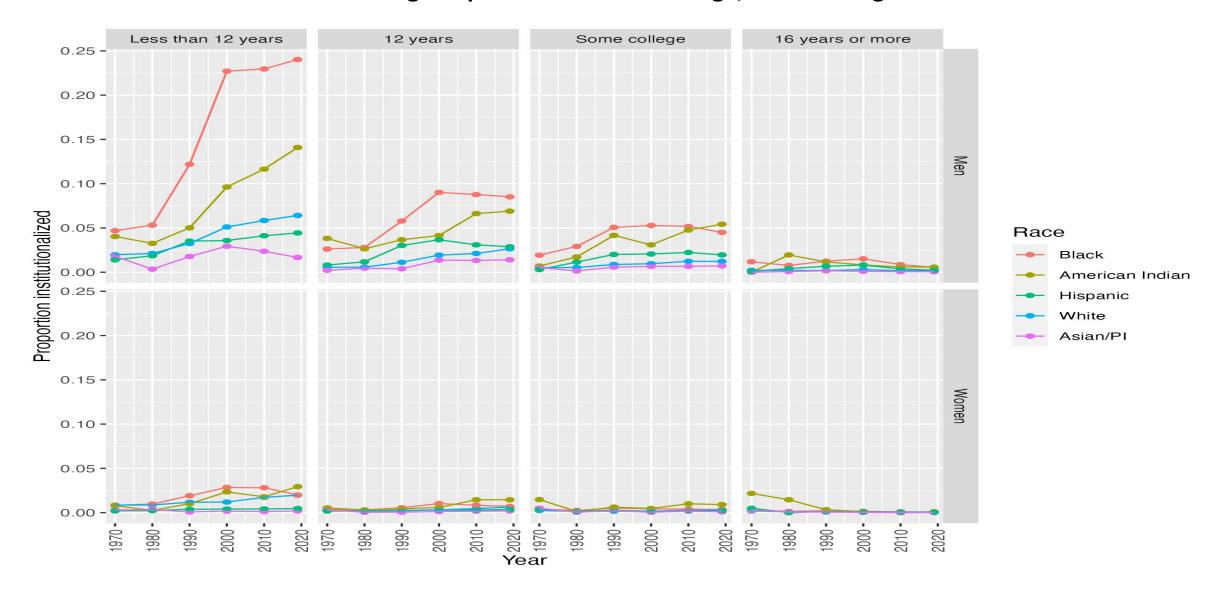


Figure 2: Proportion in Institutionalized Group Quarters by Gender, Race/Ethnicity, and Educational Attainment Among People 22 to 55 Years of Age, 1970 through 2019



NONCONFIDENTIAL / Table 1 Descriptive Statistics for Non-Institutionalized Adults 22 to 55 by Deciles of Group-Specific **Institutionalization Rates**

	Bottom five deciles	Decile 10
Prop. of the		
institutionalized	0.038	0.576
Labor Market Status		
Employed	0.818	0.622
Unemployed	0.027	0.061
NILF	0.154	0.317
Unemp. Rate	0.032	0.089
Race/Ethnicity		
White	0.695	0.320
Black	0.053	0.396
AI/AN	0.004	0.017
Asian	0.107	0.006
Hispanic	0.142	0.261
Poor	0.085	0.314
Male	0.313	0.966
Age (mean)	39.294	36.061
U.S. Citizen	0.900	0.940

Table 1 Continued

Descriptive Statistics for Non-Institutionalized Adults 22 to 55

by Deciles of Group-Specific Institutionalization Rates

	Bottom five deciles	Decile 10	
Education			
<hs< th=""><th>0.0267</th><th>0.3304</th></hs<>	0.0267	0.3304	
HS grad/GED	0.1073	0.5541	
Some college	0.1887	0.1139	
Bachelors +	0.6773	0.0016	
Disability			
Cognitive	0.024	0.100	
Ambulatory	0.023	0.060	
Ind. Living	0.019	0.069	
Self-Care	0.009	0.031	
Vision/hearing	0.020	0.048	

Proportion institutionalized on a given day misses much current and prior involvement with the criminal just system

- 14 percent of decile 10 individuals are currently institutionalized.
- Population on probation/parole more than double the size of the population state or federal prison or a local jail.
- Shannon (2017) estimates that the population formerly incarcerated, or formally on probation/parole is double the currently involved.
- Back-of-the-envelope calculation: among decile 10 individuals, these figures imply that (14 + 28)x2 = 84 percent had current or prior criminal justice involvement.

Identifying Risk Groups in the Current Population Survey and Measuring Employment Outcomes and Dynamics

- Use all basic CPS monthly files for the period January 2000 through December 2019 (plus January 2020)
- Limit to 22 to 55 and merge risk groupings from the ACS to CPS observations using common covariates
- Merge observations in consecutive months of the CPS (can do this for about two-thirds of survey respondents in each month) to be able to measure change in employment status between months.
- Outcomes: Employment state, and change in employment status from one month to the next (employment to unemployment, employment to NILF etc.)

Table 2
Labor Force Status Transition Probabilities for the Bottom Five Deciles and the Top Decile of the Institutionalization Risk Distribution

Institutionalization risk distribution							
Panel A: Bottom Five Deciles							
				Implied steady-state or average			
				employment state over sample			
	Status _{t+1}			period			
Status _t	Employed	Unemployed	NILF	Steady State	Actual		
Employed	0.974	0.008	0.018	0.793	0.803		
Unemployed	0.245	0.559	0.196	0.029	0.031		
NILF	0.077	0.035	0.888	0.178	0.167		
Unemployment							
rate	-	-	-	0.035	0.037		
Panel B: Top Decile							
				Implied steady-state or average			
				employment state over sample			
	Status _{t+1}		period				
Status _t	Employed	Unemployed	NILF				
Employed	0.953	0.024	0.023	0.699	0.727		
Unemployed	0.225	0.581	0.194	0.076	0.081		
NILF	0.070	0.066	0.864	0.226	0.193		
Unemployment							
rate	-	-	-	0.098	0.100		

Figure 3: Monthly Unemployment Rates and Employment-to-Populations Ratios for Adults Ages 22 to 55 by Decile of Institutionalization Risk

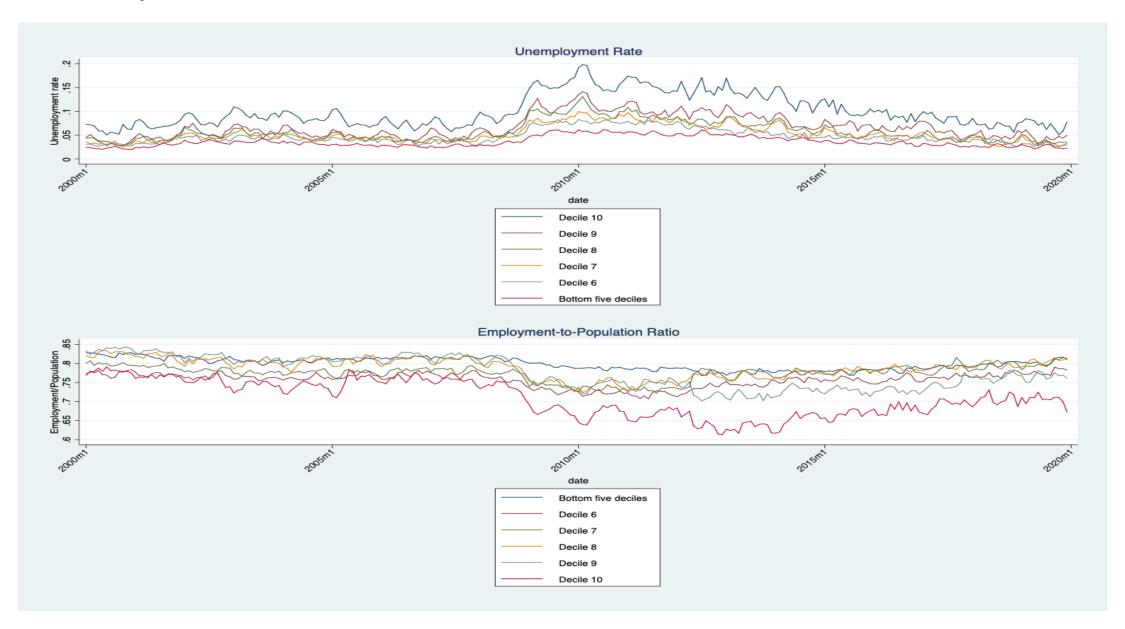
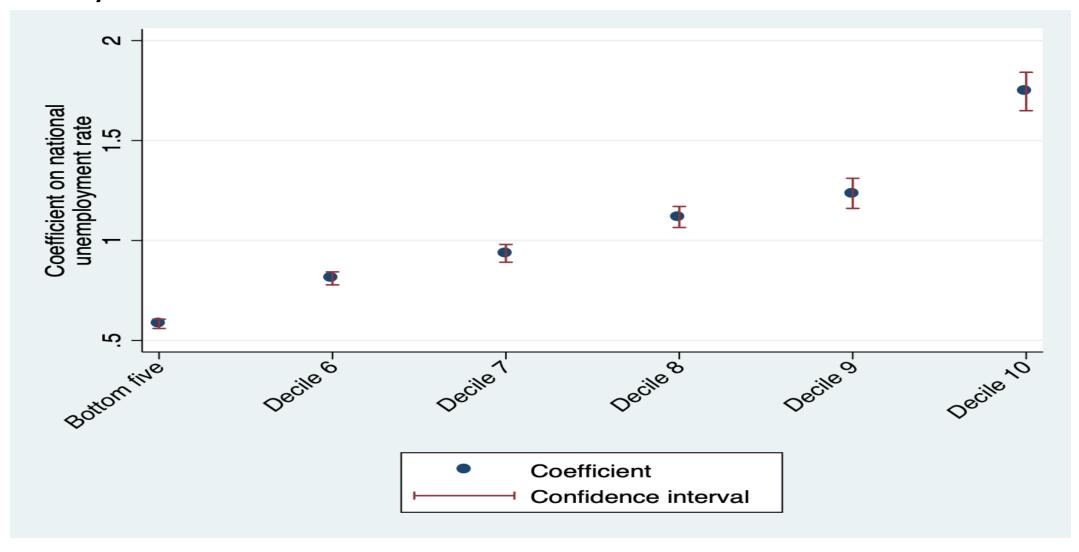


Figure 4: Coefficient from Bivariate Regression of Institutionalization Risk Group Unemployment Rate on the National Unemployment Rate based on Monthly Data from January 2000 through January 2020



Multivariate analysis of transition probabilities

- Specification (1): regression of transition probability on dummies for decile 6, decile 7, decile 8, decile 9, and decile 10.
- Specification (2): specification 1 plus year effects, calendar month effects, age, race/ethnicity, education, and gender dummies, and all two-way, three-way, and four-way interactions between age, race/ethnicity, education, and gender.

Figure 8: Difference in Employment-to-Unemployment and Employment-to-NILF Transition Probabilities for High Institutionalization Demographic Groups Relative to the Bottom Five Deciles: With and Without Covariate Adjustments

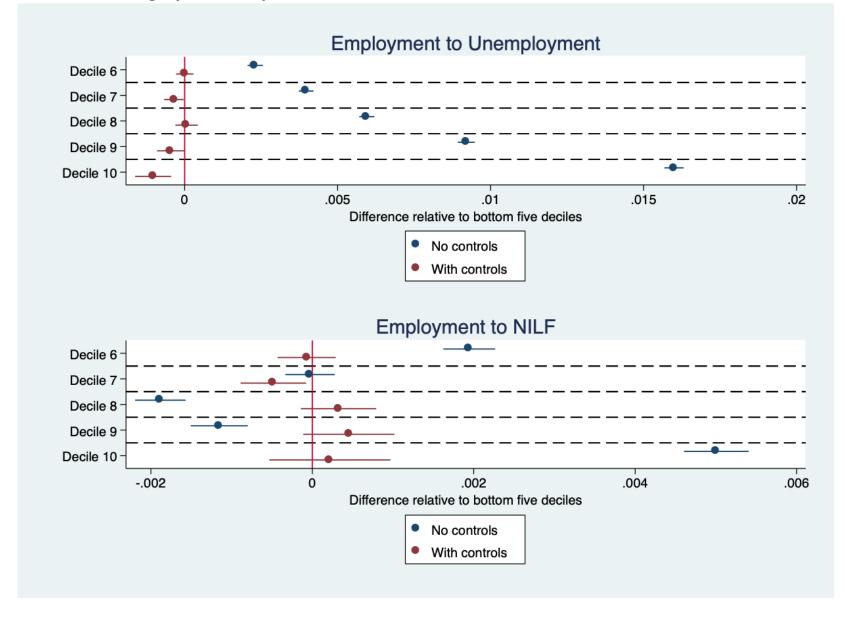


Figure 9: Difference in Unemployment-to-Employment and Unemployment-to-NILF Transition Probabilities for High Institutionalization Demographic Groups Relative to the Bottom Five Deciles: With and Without Covariate

Adjustments

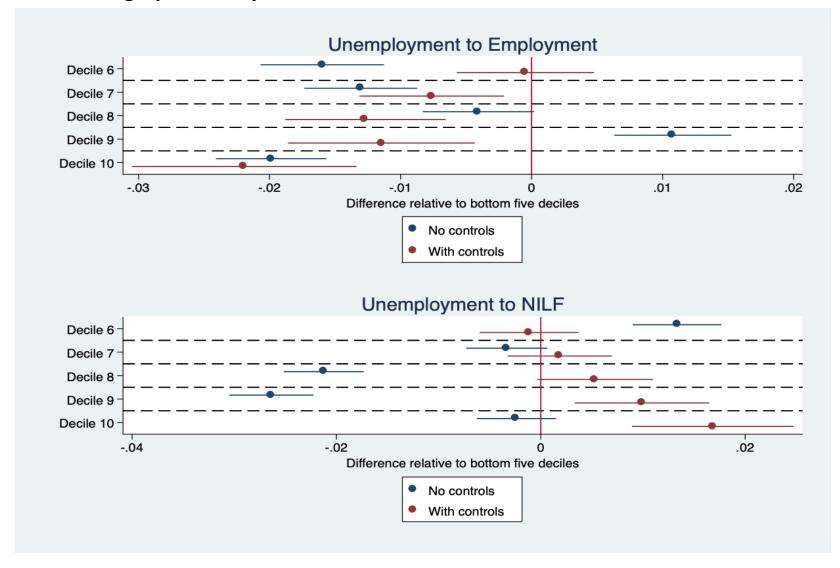


Figure 10: Difference in NILF-to-Unemployment and NILF-to-Employment Transition Probabilities for High Institutionalization Demographic Groups Relative to the Bottom Five Deciles: With and Without Covariate Adjustments

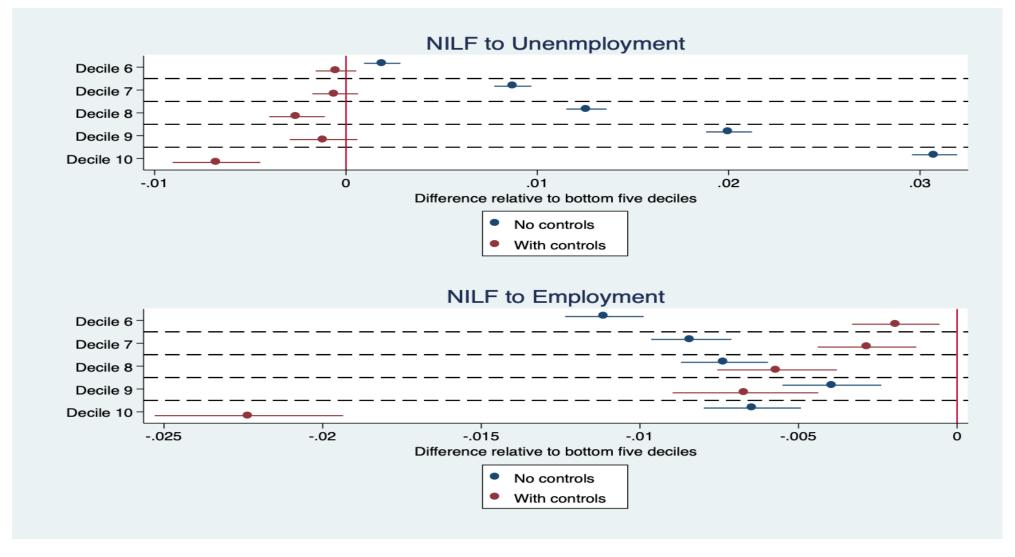


Table 3
Simulated Steady-State Distribution of People at Highest Risk of Involvement with the Criminal Justice System After Eliminating Various in Key Employment Transition Probabilities

	Steady state based on empirical transition probability	Eliminating regression- adjusted gap relative to bottom half of risk distribution in P _{U,E}	Eliminating regressionadjusted gap relative to bottom half of risk distribution in $P_{U,E}$, $P_{U,NILF}$, $P_{NILF,U}$ and $P_{NILF,E}$
Employed	0.699	0.710	0.744
Unemployed	0.076	0.074	0.073
NILF	0.226	0.216	0.183
Unemployment Rate	0.098	0.094	0.090

Policies intended to improve the employment prospects of those with criminal histories

- Addressing poverty
 - Long-run effects of early investment
 - Food Stamps/SNAP: Bailey et. al. (2023)
 - Summer Jobs: Heller (2014), Gelber et. al. (2016) Heller and Davis (2020)
 - Head Start: Garces et. al. 2002.
 - Contemporaneous impacts of relieving material poverty
 - SSI: Deshpande and Mueller-Smith (2022)
- A strong macroeconomy
 - Figure 4 above
 - Raphael and Weiman (2007), Schnepel (2017), Yang (2017)

Ban-the-Box (reviewed in Raphael 2021)

- 35 states, 150 cities (Avery 2019)
- Some evidence that BTB improves employment prospects in the public sector (Craig 2021)
- Strong evidence that it doesn't improve hiring prospect I the private sector (Rose 2020)
- Strong evidence that it encourage statistical discrimination against Black men
 - Bushway (1998, 2004), Holzer, Raphael and Stoll (2006), Agan and Starr (2018), Doleac and Hansen (2020)

Generating more accurate recidivism information for employers

- Existing, frequently cited, and readily available recidivism studies are based on prisoner-release cohorts (Langan and Levin 2002; Alper, Durose, and Markman 2018). They overstate recidivism risk for the broader population of people with criminal histories.
 - Oversample people with deep rap-sheets
 - Oversample people who serve multiple prison spells.
- Recidivism studies that sample people who ever go to prison yield recidivism rates that are often 20 percentage points lower.
 - Rhodes et. al. (2016), Kalra et. al. (2022)

We need more information on recidivism and the recidivism hazard using alternative sampling frames and studying people with less extensive criminal histories

- Example: Blumstein and Nakamura (2009) study a sample of people arrested for the first time in NY for burglary, aggravated assault, and/or robbery find that the post-conviction arrest hazard drops the arrest hazard for the general public after
 - 3.8 years for burglary
 - 4.3 years for aggravated assault
 - 7.7 years for robbery.

Addressing employer concerns

- Why do employers screen on criminal history?
 - Concerns about skills, lack of job-readiness, potential dishonesty
 - Negligent-hiring liability
 - Difficulty procuring insurance
- Cullen, Dobbie, and Hoffman (2023)
 - 39 percent of employers would hire someone with a criminal history at baseline
 - 10 to 25 percent wage subsidy increases willingness to 41 to 44 percent. 100 percent wage subsidy increases willingness to 54 percent.
 - \$5,000 in crime and safety insurance increases willingness to 51 percent
 - Prior successful work experience also increases willingness to hire.

Greater use of Certificates of Rehabilitation (COR)

- Formal process by which the state declares someone rehabilitated and often restore various rights to employment and licensure
- Ohio's Certificate of Qualification for Employment (CQE) (created in 2012), in addition to restoring employment and licensure rights, indemnifies employers against negligent hiring lawsuits.
- Resume Audit Studies
 - Leasure and Stevens-Anderson (2016)
 - Sent resumes to 320 employers with three resume groups:
 - (1) drug felony conviction disclosed (10 percent received a response),
 - (2) drug felony conviction disclosed plus a CQE (25 percent received a response),
 - (3) no conviction disclosed (29 percent received a response)
 - Leasure and Stevens-Anderson (2017) in a similar analysis find the CQE has a larger impact on call back rate than 10 years of desistance.

Thank you!

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