Evaluating the School Performance of Elementary and Middle School Children of Incarcerated Parents

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Obliders of incorcerated parents are at significantly increased risk of negative long-term outcomes. With about 1% of the adult population incarcerated, the United States has millions of children at risk for these negative effects. Although research on children of incarcerated parents is increasing, it is still unclear whether they are at an additional risk for poor school performence as a specific result of parental incarceration above that associated with their social and economic status. This study examined whether a link oxide the status there are also also also a status and expensive and a status and expensive and a status and expensive and a status and a

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Introduction

Ohldern of incancerated parents are perhaps the greatest casually of war in the War against Drugs over the past two decades. The emphasis placed on stringent puritive measures had an unanticipated effect. These children are uninerate to a number of issues that increase their risk for poor academic performance, including school mobility, truancy, and insufficient adult support. They are also believed to be more likely to experience emotional disturbances and stress responses that impact cognitive development, and ultimately, school performance.

Prior to this study, little empirical evidence had been analyzed to understand the implications of parental incarceration on children, particularly on school performance. Hence the following two research questions were investigated: 1. Will children of incarcerated parents show an overall significantly poorer

 What factors present in the lives of children with incarcerated parents (particularly parental incarceration) significantly predict poorer individual school performance during elementary and middle school years?

Methodology

Accessing children of prisoners for research purposes can be difficult due to privacy concerns. A number of partnerships with the following key stakeholders had to be established in order to obtain the necessary data for

 Community mentoring program, particularly focused on mentoring children of prisoners
 State education system

Local nonprofit and for-profit supporters

A study sample was identified through a well-established, local community organization which had a mentoring program specifically for children or prosense (n=70), as well as, a mentoring program for children in dirigid-parent households (n=95). This allowed for study of the population of interest, as well as, access to a very smillar group of children (fiving in the same neighborhoods andering the same schools) for comparative analyses. Although achieving ideal participation was tall challenge, some families were more open to participation due to the relationship of trust previously established with the community organization.

A cross-sectional survey collecting the following information, as well as, consent to access school records, was administered: reacelethnicity, gender, school mobility, extracurricular activity, events of parential incarceration, single-pearent household status, number of household moves, number of primary cangivers, relation of child to caregiver, primary caregiver outcaind, number of other adults living in household, annual household income, access to medical care, courseling services received, annual household income, access to medical care, courseling services received, incarceration. In return for a completed survey and consent form, each child received a stuffed backgack droated by offices Depot.

Annual test scores for each participant was obtained from the Tennessee Department of Education

Data Analyses

Research Question 1: Independent samples t-tests of annual test scores between participants experiencing and not experiencing parental incarceration were conducted. Pearson's Chi-squares and odds ratios assessed the independent variables among the two groups.

Research Question 2: Chi-square analyses of independent variables and annual test scores began the process of determining factors predicting school performance. Linear regressions using remaining variables revoluted a final model performance.

Results

Research Question 1

Due to a large proportion of the comparison group reporting parental incarceration, the total sample was reorganized as "Ever" versus "Never" experiencing parental incarceration.

A trend in poorer TCAP performance among children that experienced parental incarceration was observed when compared to a similar "at-risk"

Table 1						
t-tests of Summed TO	CAP Scores by Experience	of Parenta	Incarcera	ition		
	Parental Incarceration	Sample				
Year of Testing	Statue	Size (n)	м	SD	ŧ	р
07-08 Scores	Yes	66	1,336	97	-0.821	0.414
	No	39	1,353	98		
06-07 Scores	Yes	66	1,323	92	-1,177	0.243
	No	35	1,347	98	-1.177	
05-06 Scores	Yes	55	1,300	116	-2 085	0.042
	No	26	1,354	103	*2.000	
03-04 Scores	Yes	31	1,252	122	-1.452	0.154
	No	19	1,298	100		
02-03 Scores	Yes	23	2,390	158	-1.891	0.07
	No	12	2,485	131	-1.891	

2x2 tables revealed the significant associations between the study group and the following independent variables: $-\text{Number of aeregiver changes}\ (\rho=0.000,\,\text{OR}=0.108)$ -Caregiver aducation level $(\rho=0.001,\,\text{OR}=3.683)$

Variables	N	X ²ⁿ	Fisher's Exact Test*	Odds Ratio
Income	157	0.252	0.701	1.209
Race/ethnicity	167	1.915	0.195	0.51
School mobility	167	0.151	0.679	0.85
Activities	163	0.813	0.489	1.564
# of caregivers	167	29.91	0.000*	0.108
Relation to caregiver Overall caregiver	141	4.331	0.038	-
education	155	0.456	0.564	1.45
Counseling received	165	3.387	0.079	0.50
Medical care	167	1.233	0.267	0.667
Single-parent household	89	1.332	0.374	3.46
Gender	166	0.553	0.499	0.77
Household moves	163	0.74	0.446	0.66
# adults in household	150	1.11	0.365	1.45
Caregiver education level	148	11.319	0.001*	3.68

Research Question

Chi-square analyses were conducted using all the variables to begin the process of discerning which factors could potentially predict test performance in this population, resulting in the following eight factors: race, gender, school mobility, caregiver education, income, access to medical care, carental incarceration, and mobility amon households.

Linear regression analyses were conducted using the remaining eight variables to develop a model of factors present in the lives of children of incancerated parents which may predict performance on the annual examinations, which are called the Tennessee Comprehensive Achievement Program (TGAP):

The most parsimonious model explained 25% to 31% of the variance in TCAP scores and was significant in all years tested. It is represented as

TCAP Level of Proficiency = 0.37(Income) - 0.32(School Mobility) = 0.19

Discussion

The fact that poore potermance is observed in the study possible now conquest to a group that is already documented to perform more poorly than the general population is remarkable and metric further study. As no other empti investigation of annual test scores among officiar of incorporated paren currently exists in the lareature, a replication of this study could provide addition right as to the satus of this parallel sylvaneous propulsion of officiare. The performance of this study group may have been elevated due to the fact that the congrular may have been delived on the fact that the congrular may have been delived on the fact that the congrular may have been more supported of declared adults and see selected by their involvement in the mentioning program and the research study) and the propular bright of the last tables that in equalities. Extremence, come of the molecular furthermore, come of the molecular furthermore, come of the molecular furthermore, and in which you can be called the facility due to the unwillinged to participate or an initiality to contact the family through the latest consistency.

Results received that obtains with incorcerated poents were nearly four time more likely to be king with a caregiver without a high school diploma. This places the children at further risk of receiving inadequate educational support within the more liverage of the control of the control of the control of the control of the status, proverly sit stood out as one of the main residence of performance on the status.

A number of strategies could be used to address this issue and potentially

In-Home Intervention

Sweral studies support the idea that an engaging, safe learning environment within the home can offisit some of the negative impacts also to parental increastants, low savegiere education levels, and powery. An in-home violation program could be implemented to educate caregivers on the fact, as well as provide them with the selfs and resource levelges they read to create the facts environment. This intervention could be accompleted in themse with other agreement promove interpreting home velocities services, such as Orlid Welfare and Head Start, among others. Incorrecting provide the clump of the the concern could do be decuziated on this tops to be enable them to confinue providing a possible, learning

Another way to indirectly improve the situation is to enable the caregivers and parents to incesse their on educational standment by obtaining SED confliction and/or a college degree. Again, caregivers may benefit from being linked with previously existing community resources that provide these services. An idea service would provide education classes for caregivers with tutoring for the children simultaneously. If an increase in education leads to an increase in

Changes to the Education Syste

A realized disbate on education reform is currently in progress, however, some charge could be middle is speakfully appoint of hidden with incernation parents, horsessed sociated and cultural training could be provided to all educations processing bodie, and the Elling could be middled by broads the charges processing bodie, and the Elling could be middled by provide the federal wife provided the provided and the provided by the provided by the in disclars, to provide amotheral and mindle support and threapy, which would morning the disclaration and some disclarations are morning that of the training of the provided by the provided by the training that the provided and the provided by the provided by the training that the provided by the provided by the provided by the training that the provided by provided by provided by provided by provided by provided

Multi-Systemic Approac

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