Correlations Between Caregiver Participation and Adverse Childhood Experiences in Early Head Start Deborah Drain & Rena Hallam, Human Development & Family Science, University of Delaware

Introduction

The purpose of this study was to understand the relationship between adverse childhood experiences (ACEs) and family participation in Early Head Start home visiting. This study sought to determine if there is a relationship between child ACEs scores, enrollment, and participation. The study used administrative data from an EHS program in the Mid-Atlantic during the 2017-2018 and 2018-2019 program years. EHS serves low-income families of children ages 0-3 years old. Point-biseral bivariate correlational analysis was conducted to identify the relationship between child ACEs and family enrollment and participation. Additionally, ACEs related to child maltreatment and family functioning were compared to identify any differences in prevalence and participation. Results indicate no significant relationship between ACE scores and enrollment. However, ACEs related to maltreatment negatively correlate to lower home visit rates and positively correlate to higher home visit cancellation rates.

Research Questions

RQ1: Are families with higher ACE scores more or less likely to have greater duration of participation with EHS home-based programs?

RQ2: Due to the age range of children served in EHS (0-3 years old) which type of ACEs, maltreatment or family functioning, will be found to be more prevalent?

H1: Families with higher overall ACE scores will have shorter duration of participation with EHShome based programs than families with lower overall ACE scores.

H2: Due to the age range of children served by EHS programs family functioning will be found to have a higher prevalence than maltreatment.

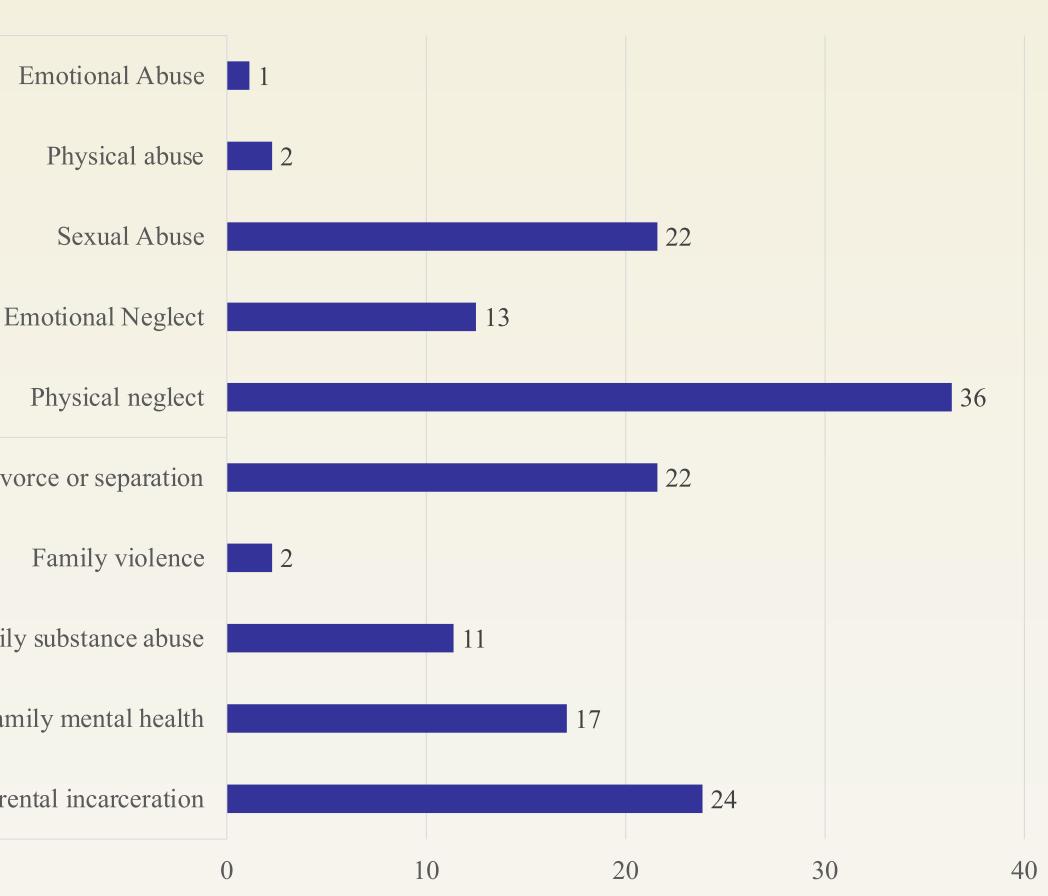
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Results

Families that newly enrolled during the 2017-2018 and 2018 2019 program years and completed an ACE questions from the Family Map Inventory (McKelvey, et al., 2018) were included in this study (n=88). Child total ACE scores and enrollment rates (actual/possible) nor did total ACEs scores and home visit compliance (actual/possible). However, maltreatment ACEs negatively correlated with home visits rates and positively correlated cancellation rates. There was no difference in the prevalence between maltreatment and family functioning ACEs.

Factor	n	%	Exectional Alarga 1
Child demographics			Emotional Abuse 1
Gender			Physical abuse 2
Female	44	50	
Male	44	50	Sexual Abuse 22
Race		20	Emotional Neglect 13
Bi-or multi-racial	7	7.95	
Black	15	17.05	Physical neglect 36
Latinx	46	52.27	Family divorce or separation 22
Other	2	2.27	
White	18	20.46	Family violence 2
Age in months (M, range) 8	8.09	0-32	Family substance abuse 11
Primary caregiver demographi	CS		Arrange Arrange Arrange Arrange Arrange Arrange
Gender			Family mental health 17
Female	82	93.18	Demonstal in concention
Male	5	5.68	Parental incarceration 24
Missing	g 1	1.14	0 10 20 30 40
Race			
Asian	1	1.14	Figure 2. Low and high ACEs by percent
Bi-or multi-racial		3.41	High ACEs at two or more ACEsHigh ACEs at three or more ACEs
Black		19.32	
Latinx		47.73	25
Missing		3.4	36
Other		3.41	
White	e 19	21.59	64 75
Language at home	AA		
English		50	
Spanish Other		48.86	$\Box 0-1 \text{ ACE} \Box 2+ \text{ ACEs} \Box 3+ \text{ ACEs}$
Other		1.14	
Education	20	11 20	Table 2. Partial correlations of ACEs and participation
No High School Degree		44.32	1 2 3 4 5 6 7 8 9 10 11
GED High School Degree		3.41 22.73	1. ACE Total .
High School Degree Votech, Technical Certificate/License		7.95	2. Low-High ACES at 2+ 0.79**.
AA or AS Degree or Some College		12.5	3. Low-High ACES at 3+ 0.83** 0.67**.
		9.09	4. Total maltreatment 0.82** 0.61** 0.71**.
e e		J.UJ	ACES
College Degree			5. 2 + Maltreatment ACEs 0.69** 0.55** 0.70** 0.82** .
Employment College Degree		9.09	
College Degree College Degree Full-time (>30 hours/week)	8	9.09 13.64	6.3+ Maltreatment ACEs 0.55** 0.28** 0.42** 0.69** 0.52**.
College Degree Employment Full-time (>30 hours/week) Part-time (<30 hours/week)	8 12	13.64	7. Total family functioning 0.85** 0.71** 0.68** 0.39** 0.36** 0.24*
College Degree Employment Full-time (>30 hours/week) Part-time (<30 hours/week) Seasonally employed	8 12 1	13.64 1.14	7. Total family functioning ACEs 8. 2+ family functioning
Employment Employment Full-time (>30 hours/week) Part-time (<30 hours/week) Seasonally employed Training or school only	8 12 1 1 7 2	13.64 1.14 2.27	7. Total family functioning ACEs 0.85** 0.71** 0.68** 0.39** 0.36** 0.24* 8. 2+ family functioning ACEs 0.70** 0.61** 0.65** 0.31** 0.30** 0.17 0.85** 0.85**
Employment Full-time (>30 hours/week) Part-time (<30 hours/week) Seasonally employed Training or school only Unemployed	8 12 1 1 2 1 65	13.64 1.14 2.27 72.86	7. Total family functioning 0.85** 0.71** 0.68** 0.39** 0.36** 0.24* 8. 2+ family functioning 0.70** 0.61** 0.65** 0.31** 0.30** 0.17 0.85**
Employment Employment Full-time (>30 hours/week) Part-time (<30 hours/week) Seasonally employed Training or school only	8 12 1 1 7 2	13.64 1.14 2.27	7. Total family functioning ACEs 0.85** 0.71** 0.68** 0.39** 0.36** 0.24* 8. 2+ family functioning ACEs 0.70** 0.61** 0.65** 0.31** 0.30** 0.17 0.85** 9. 3+ family functioning 0.71** 0.71** 0.38** 0.54** 0.41** 0.30** 0.40** 0.76** 0.60**
Employment Full-time (>30 hours/week) Part-time (<30 hours/week) Seasonally employed Training or school only Unemployed	8 12 1 2 65 29.8 4 29.1	13.64 1.14 2.27 72.86	7. Total family functioning 0.85** 0.71** 0.68** 0.39** 0.36** 0.24* Image: Constraint of the constraint of th

*. Correlation is significant at the ≤ 0.05 level (2-tailed).





Conclusions

Families of children with low and high levels of ACEs totals participated at similar rates regarding of actual/possible enrollment and actual/possible home visit completion. These differences did not correlate once controls related to employment, English proficiency, lucation, and child race. This means that milies with ACEs do indeed participate in ograms like EHS home-based, although milies that do not enroll or drop early may be fferent than families who remain in the ogram long enough to complete assessments. owever, lower home visits and cancellation to sit ratios correlate to high maltreatment ACEs. amilies with maltreatment ACEs have higher tes of cancellations on top of completed visits. his suggests that families may desire support om programs like EHS home-based but may ruggle to participate in at the desired higher sit dosage.

Team

eborah Drain is a Ph.D. student in the HDFS partment interested in research in early attachment, renting, and intergenerational transmission of trauma d their application to child and family policy.

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