

The Effects of Center-Based Care Accreditation on the **Development of Children in the Child Welfare System**

Introduction

Research indicates that high-quality center-based care can significantly influence children's developmental and early academic outcomes.

For children in child welfare, a high-quality early learning environment may provide consistency, early intervention, and the basic foundations that promote resilience in children facing challenges.

Voluntary accreditation systems, such as NAEYC and APPLE, have established professional standards of quality for early learning programs that align with the quality standards valued by both the scientific and policy-making communities.

Exploring the associations of accreditation on the outcome of children within the child welfare system is important because:

1. Accreditation is a central, convenient, and comprehendible factor that provides some information about the quality of care provided at an early childcare and education center.

2. Requiring children in child welfare to attend an accredited childcare center has become the focus of policy discussions in some states and locales.

Research Questions

1. Do pre-k children in the child welfare system who attend an accredited early education center perform better on developmental outcome measures than prek children in the child welfare system who do not attend an accredited early education center? 2. Does center accreditation have a more positive effect for preschool children in the child welfare system compared to their non-child welfare counterparts?

Participants

The present study included 164 low-income four and five-year-old children from Miami-Dade County, FL enrolled in community-based childcare.

		Male	Black	Hispanic	In acc. center
Group	Ν	%	%	%	%
Comparison	82	44%	63%	29%	55%
Child Welfare	82	44%	63%	29%	30%

All participating children were assessed on the complete Learning Accomplishment Profile-Diagnostic (LAP-D).

The Learning Accomplishment Profile-Diagnostic (Nehring, Nehring, Bruni, & Randolph, 1992) is a standardized assessment designed to measure the developmental abilities of children aged 30 to 72 months.

The LAP-D assess four developmental domains across eight subscales:

1- Cognition : (a) cognitive matching and (b) cognitive counting 3- Fine Motor: (a) fine motor manipulation and (b) fine motor writing

2- Language: (a) language naming and (b) language comprehension 4- Gross Motor: (a) gross motor body and (b) gross motor object

> The comparison sample had a significantly higher percentage of children in accredited centers compared to the child welfare group, $\chi^2(1) = 9.97$, p < .01.

SPSS Mixed Models were used to explore the effects of GROUP (welfare, not) and ACCRED (yes, no) on LAPD subscales, controlling for sex, age, and ethnicity.

> The main effect for accreditation was significant for the overall/total score, language naming, cognitive matching, fine motor writing, and fine motor manipulation

> The main effect for child welfare was significant for the overall/total score, language comprehension, and gross motor object.

> Only the cognitive counting subscale yielded a significant interaction effect between accreditation and child welfare. The effect of accreditation on cognitive counting was only apparent in children in the comparison sample.

Figure 1. Significant main effect of accreditation on LAP-D Total score and significant main effect of group on LAP-D Total score

60	
55	
50	
45	**
40	
	Unaccre

Laura Dinehart¹, Louis Manfra², Lynne Katz³ ¹Florida International University ²University of Missouri, ³University of Miami

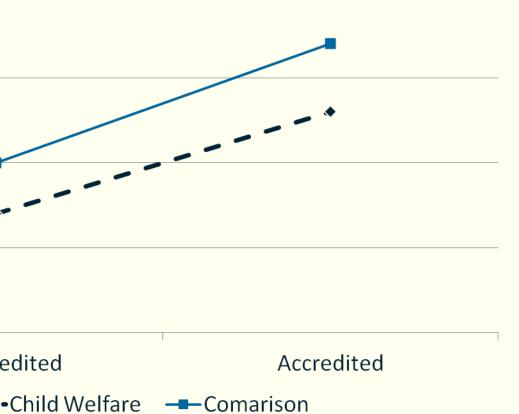
Method

Children's outcome was collected with the LAP-D assessment at the end of the academic year (March to June).

Accreditation status of the center each child attended was obtained from the county oversight agency.

Results

LAP-D Total Score



Overall/Total ScoreFAccreditation (Y/N)12.06***Child Welfare (Y/N)5.69*Accreditation x Child Welfare0.22Language NamingAccreditation (Y/N)8.59**Child Welfare (Y/N)3.04Accreditation x Child Welfare1.18Language ComprehensionAccreditation (Y/N)Accreditation (Y/N)3.18Child Welfare (Y/N)5.52*Accreditation x Child Welfare1.41Cognitive CountingAccreditation x Child WelfareAccreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive MatchingAccreditation (Y/N)Accreditation (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation x Child WelfareAccreditation (Y/N)0.75Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation x Child WelfareAccreditation (Y/N)1.67Accreditation x Child Welfare0.00Eine Motor ManipulationAccreditation x Child WelfareAccreditation x Child Welfare0.00Gross Motor BodyAccreditation (Y/N)Accreditation (Y/N)2.62Child Welfare (Y/N)2.62Accreditation x Child Welfare.46Gross Motor ObjectAccreditation x Child WelfareAccreditation x Child Welfare.46Coceditation x Child Welfare.46Coceditation x Child Welfare.46Ac		Statisti
Accreditation (Y/N)12.06***Child Welfare (Y/N)5.69*Accreditation x Child Welfare0.22Language Naming 3.04 Accreditation (Y/N) 3.04 Accreditation x Child Welfare1.18Language Comprehension 3.18 Accreditation (Y/N) 3.18 Child Welfare (Y/N) 3.52^* Accreditation x Child Welfare1.41Cognitive Counting 4.25^* Accreditation (Y/N) 1.64 Child Welfare (Y/N) 0.26 Accreditation x Child Welfare 4.25^* Cognitive Matching 4.25^* Accreditation (Y/N) 0.75 Accreditation (Y/N) 0.75 Accreditation (Y/N) 0.75 Accreditation x Child Welfare 0.04 Eine Motor Writing 6.25^* Accreditation x Child Welfare 0.54 Eine Motor Manipulation 0.54 Accreditation (Y/N) 2.51^{***} Child Welfare (Y/N) 0.54 Creditation (Y/N) 2.51^{***} Child Welfare (Y/N) 1.67 Accreditation (Y/N) 2.62 Child Welfare (Y/N) 1.67 Accreditation x Child Welfare 0.00 Creditation (Y/N) 2.62 Child Welfare (Y/N) <th>Overall/Total Score</th> <th></th>	Overall/Total Score	
Child Welfare (Y/N)5.69* 0.22Accreditation x Child Welfare0.22Language Naming Accreditation (Y/N) 8.59^{**} 3.04Accreditation x Child Welfare1.18Language Comprehension Accreditation x Child Welfare 1.18 Accreditation (Y/N) 3.18 5.52*Accreditation x Child Welfare 1.41 Cognitive Counting Accreditation x Child Welfare 1.41 Accreditation (Y/N) 1.64 0.26Accreditation x Child Welfare 4.25^* Accreditation (Y/N) 1.64 0.26Accreditation x Child Welfare 4.25^* Accreditation x Child Welfare 0.40 Cognitive Matching Accreditation x Child Welfare 0.40 Accreditation (Y/N) 0.75 $0.4ccreditation x Child WelfareAccreditation (Y/N)0.750.4ccreditation x Child WelfareAccreditation (Y/N)0.750.4ccreditation x Child WelfareAccreditation (Y/N)0.4Child Welfare (Y/N)0.54Accreditation (Y/N)0.54Accreditation (Y/N)0.54Accreditation x Child Welfare0.00Accreditation x Child Welfare0.00Accreditation x Child Welfare0.00Accreditation (Y/N)2.622.26Accreditation (Y/N)2.622.26Accreditation x Child Welfare4.6Coreditation x Child Welfare4.6Coreditation (Y/N)2.26Accreditation x Child WelfareAccreditation (Y/N)2.26Accreditation (Y/N)$		12.06***
Accreditation x Child Welfare0.22Language Naming8.59**Accreditation (Y/N)8.59**Child Welfare (Y/N)3.04Accreditation x Child Welfare1.18Language Comprehension3.18Accreditation (Y/N)5.52*Accreditation x Child Welfare1.41Cognitive Counting4.25*Accreditation x Child Welfare4.25*Accreditation x Child Welfare4.25*Cognitive Matching0.26Accreditation x Child Welfare0.04Cognitive Matching0.75Accreditation (Y/N)0.75Accreditation x Child Welfare0.04Cognitive Matching0.75Accreditation (Y/N)0.75Accreditation x Child Welfare0.04Cognitive Matching0.04Accreditation (Y/N)0.75Accreditation x Child Welfare0.04Coreditation (Y/N)2.93Accreditation (Y/N)1.67Accreditation (Y/N)1.67Accreditation (Y/N)1.67Accreditation (Y/N)1.67Accreditation (Y/N)2.62Child Welfare (Y/N)2.62Accreditation (Y/N)2.62Child Welfare (Y/N)2.62Accreditation x Child Welfare.46Corest Motor Object.46Accreditation (Y/N)3.15Accreditation (Y/N)3.15Accreditation (Y/N)3.15Accreditation (Y/N)3.15Accreditation (Y/N)3.15Accreditation (Y/N)3.1		
Accreditation (Y/N)8.59**Child Welfare (Y/N)3.04Accreditation x Child Welfare1.18Language ComprehensionAccreditation (Y/N)3.18Child Welfare (Y/N)5.52*Accreditation x Child Welfare1.41Cognitive CountingAccreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive MatchingAccreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation x Child Welfare0.00Eine Motor BodyAccreditation (Y/N)1.67Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Eine Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)1.67Accreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation (Y/N)2.26Accreditation x Child Welfare.46Coss Motor Object.46Accreditation (Y/N)3.15Child Welfare (Y/N)3.15 <td></td> <td>0.22</td>		0.22
Accreditation (Y/N)8.59**Child Welfare (Y/N)3.04Accreditation x Child Welfare1.18Language ComprehensionAccreditation (Y/N)3.18Child Welfare (Y/N)5.52*Accreditation x Child Welfare1.41Cognitive CountingAccreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive MatchingAccreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation x Child Welfare0.00Eine Motor BodyAccreditation (Y/N)1.67Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Eine Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)1.67Accreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation (Y/N)2.26Accreditation x Child Welfare.46Coss Motor Object.46Accreditation (Y/N)3.15Child Welfare (Y/N)3.15 <td></td> <td></td>		
Child Welfare (Y/N)3.04Accreditation x Child Welfare1.18Language Comprehension3.18Accreditation (Y/N)3.18Child Welfare (Y/N)5.52*Accreditation x Child Welfare1.41Cognitive Counting1.64Accreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive Matching4.25*Accreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor Writing0.75Accreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor Manipulation1.67Accreditation (Y/N)1.67Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Cinces Motor Body0.00Accreditation (Y/N)2.62Child Welfare (Y/N)2.62Accreditation x Child Welfare0.00Cinces Motor Object0.00Accreditation x Child Welfare.46Cince Motor Object1.51***Accreditation (Y/N)3.15Child Welfare (Y/N)3.15Accreditation (Y/N)3.15Child Welfare (Y/N)3.15 </td <td>Language Naming</td> <td></td>	Language Naming	
Accreditation x Child Welfare1.18Language ComprehensionAccreditation (Y/N)3.18Child Welfare (Y/N)5.52*Accreditation x Child Welfare1.41Cognitive CountingAccreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive MatchingAccreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation x Child Welfare0.04Eine Motor WritingAccreditation x Child Welfare0.54Eine Motor ManipulationAccreditation x Child Welfare0.54Eine Motor BodyAccreditation x Child Welfare0.00Coreditation x Child Welfare0.00Accreditation x Child Welfare0.26Accreditation x Child Welfare0.25*Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Coress Motor Body2.26Accreditation x Child Welfare.46Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)3.15Child Welfare (Y/N)3.	Accreditation (Y/N)	8.59**
Language ComprehensionAccreditation (Y/N)3.18Child Welfare (Y/N)5.52*Accreditation x Child Welfare1.41Cognitive CountingAccreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive MatchingAccreditation (Y/N)15.93***Accreditation (Y/N)0.75Accreditation (Y/N)0.75Accreditation x Child Welfare0.04Matching0.75Accreditation (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Matching0.54Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Matching0.00Corest Motor Body0.00Accreditation x Child Welfare0.00Accreditation x Child Welfare0.00Accreditation x Child Welfare4.6Accreditation x Child Welfare4.6Accreditation x Child Welfare4.6Accreditation x Child Welfare3.15Accreditation (Y/N)3.15Child Welfare (Y/N)3.15 <tr< td=""><td>Child Welfare (Y/N)</td><td>3.04</td></tr<>	Child Welfare (Y/N)	3.04
Accreditation (Y/N) 3.18 Child Welfare (Y/N) $5.52*$ Accreditation x Child Welfare 1.41 Cognitive CountingAccreditation (Y/N) 1.64 Child Welfare (Y/N) 0.26 Accreditation x Child Welfare $4.25*$ Cognitive MatchingAccreditation (Y/N) 15.93^{***} Child Welfare (Y/N) 0.75 Accreditation x Child Welfare 0.04 Fine Motor WritingAccreditation (Y/N) $6.25*$ Child Welfare (Y/N) 2.93 Accreditation (Y/N) 2.93 Accreditation (Y/N) 2.93 Accreditation x Child Welfare 0.54 Eine Motor ManipulationAccreditation (Y/N) 1.67 Child Welfare (Y/N) 1.67 Accreditation x Child Welfare 0.00 Gross Motor BodyAccreditation x Child Welfare 2.62 Child Welfare (Y/N) 2.62 Accreditation x Child Welfare 46 Gross Motor ObjectAccreditation x Child Welfare 46	Accreditation x Child Welfare	1.18
Accreditation (Y/N) 3.18 Child Welfare (Y/N) $5.52*$ Accreditation x Child Welfare 1.41 Cognitive CountingAccreditation (Y/N) 1.64 Child Welfare (Y/N) 0.26 Accreditation x Child Welfare $4.25*$ Cognitive MatchingAccreditation (Y/N) $15.93***$ Child Welfare (Y/N) 0.75 Accreditation x Child Welfare 0.04 Fine Motor WritingAccreditation (Y/N) $6.25*$ Child Welfare (Y/N) 2.93 Accreditation (Y/N) 2.93 Accreditation x Child Welfare 0.54 Child Welfare (Y/N) 2.93 Accreditation x Child Welfare 0.54 Child Welfare (Y/N) 1.67 Accreditation x Child Welfare 0.00 Coreditation x Child Welfare 0.00 Child Welfare (Y/N) 1.67 Accreditation x Child Welfare 0.00 Corest Motor Body 2.26 Accreditation x Child Welfare 46 Corest Motor Object 46 Accreditation x Child Welfare 46	Language Comprehension	
Child Welfare (Y/N)5.52*Accreditation x Child Welfare1.41Cognitive CountingAccreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive MatchingAccreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Fine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor Manipulation1.67Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Eine Motor Body0.00Accreditation x Child Welfare0.26Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Cores Motor Body2.26Accreditation x Child Welfare.46Cross Motor Object.46Accreditation x Child Welfare.45		3 18
Accreditation x Child Welfare1.41Cognitive Counting1.64Accreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive MatchingAccreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Fine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation x Child Welfare0.00Coreditation (Y/N)1.67Accreditation x Child Welfare0.00Coreditation x Child Welfare0.00Coreditation x Child Welfare0.00Child Welfare (Y/N)1.67Accreditation x Child Welfare0.26Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Cross Motor Object.46Accreditation x Child Welfare.45		
Cognitive CountingAccreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive Matching4.25*Accreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor Writing6.25*Accreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor Manipulation12.51***Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Eine Motor Body0.00Accreditation x Child Welfare0.00Cross Motor Body0.26Accreditation x Child Welfare0.00Cross Motor Object.46Accreditation x Child Welfare.46Child Welfare (Y/N)3.15Accreditation x Child Welfare.46		
Accreditation (Y/N)1.64Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive MatchingAccreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Fine Motor Writing0.04Accreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Fine Motor Manipulation12.51***Accreditation (Y/N)1.67Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor Body0.00Accreditation x Child Welfare4.6Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15	Accirculation & clinic Wenarc	1.71
Child Welfare (Y/N)0.26Accreditation x Child Welfare4.25*Cognitive Matching15.93***Accreditation (Y/N)0.75Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor Manipulation0.54Kecreditation (Y/N)1.67Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Creditation x Child Welfare0.00Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Child Welfare (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)3.15Accreditation (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15	Cognitive Counting	
Accreditation x Child Welfare4.25*Cognitive Matching15.93***Accreditation (Y/N)0.75Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Fine Motor Writing6.25*Accreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Fine Motor Manipulation1.67Accreditation (Y/N)1.67Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor Body2.26Accreditation x Child Welfare.46Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)2.315Accreditation x Child Welfare.46	Accreditation (Y/N)	1.64
Cognitive MatchingAccreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Child Welfare (Y/N)1.67Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Corest Motor Body2.62Accreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)3.15Accreditation (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15	Child Welfare (Y/N)	0.26
Accreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor Manipulation12.51***Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Eine Motor Body2.26Accreditation x Child Welfare0.00Gross Motor Body2.26Accreditation x Child Welfare46Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15	Accreditation x Child Welfare	4.25*
Accreditation (Y/N)15.93***Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Eine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor Manipulation12.51***Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Eine Motor Body0.00Accreditation x Child Welfare0.00Child Welfare (Y/N)1.67Accreditation x Child Welfare0.262Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Creditation x Child Welfare.46Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)7.17**		
Child Welfare (Y/N)0.75Accreditation x Child Welfare0.04Fine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation (Y/N)1.67Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Creditation x Child Welfare.46Accreditation x Child Welfare.15Child Welfare (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)7.17**		
Accreditation x Child Welfare0.04Eine Motor Writing6.25*Accreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor Manipulation12.51***Accreditation (Y/N)1.67Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor Body2.62Accreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor Object3.15Accreditation (Y/N)3.15Child Welfare (Y/N)3.15		
Fine Motor WritingAccreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation (Y/N)12.51***Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation x Child Welfare.46Accreditation x Child Welfare.46		
Accreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation (Y/N)12.51***Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation x Child Welfare.46	Accreditation x Child Welfare	0.04
Accreditation (Y/N)6.25*Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation (Y/N)12.51***Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation x Child Welfare.46	Fine Motor Writing	
Child Welfare (Y/N)2.93Accreditation x Child Welfare0.54Eine Motor ManipulationAccreditation (Y/N)12.51***Accreditation (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor Body2.62Accreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor Object.46Accreditation (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)7.17**		6.25*
Accreditation x Child Welfare0.54Fine Motor Manipulation12.51***Accreditation (Y/N)12.51***Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor Body2.62Accreditation (Y/N)2.26Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor Object3.15Accreditation (Y/N)3.15Child Welfare (Y/N)7.17**		
Fine Motor ManipulationAccreditation (Y/N)12.51***Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)7.17**		
Accreditation (Y/N)12.51***Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)7.17**	Accirculation & clinic Wendle	0.34
Child Welfare (Y/N)1.67Accreditation x Child Welfare0.00Gross Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)7.17**	Fine Motor Manipulation	
Accreditation x Child Welfare0.00Gross Motor Body2.62Accreditation (Y/N)2.26Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation (Y/N)3.15Child Welfare (Y/N)3.15Child Welfare (Y/N)7.17**	Accreditation (Y/N)	12.51***
Gross Motor BodyAccreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation (Y/N)3.15Child Welfare (Y/N)7.17**	Child Welfare (Y/N)	1.67
Accreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation (Y/N)3.15Child Welfare (Y/N)7.17**	Accreditation x Child Welfare	0.00
Accreditation (Y/N)2.62Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor ObjectAccreditation (Y/N)3.15Child Welfare (Y/N)7.17**	Crease Master Dady	
Child Welfare (Y/N)2.26Accreditation x Child Welfare.46Gross Motor Object3.15Accreditation (Y/N)3.15Child Welfare (Y/N)7.17**		2 62
Accreditation x Child Welfare.46Gross Motor Object3.15Accreditation (Y/N)3.15Child Welfare (Y/N)7.17**		
Gross Motor ObjectAccreditation (Y/N)3.15Child Welfare (Y/N)7.17**		
Accreditation (Y/N)3.15Child Welfare (Y/N)7.17**	Accreditation x Child Wellare	.40
Accreditation (Y/N)3.15Child Welfare (Y/N)7.17**	Gross Motor Object	
Child Welfare (Y/N) 7.17**		3.15
		7.17**
		1.17

* *p* < .05. ** *p* < .01. *** *p* < .001.



.282



Discussion Children in child welfare, who attend accredited childcare centers, have significantly better developmental and early academic outcomes than children in child welfare enrolled in unaccredited centers. Accreditation did not have a more positive effect for children in child welfare compared to the comparison group, as hypothesized. Both children in child welfare and children in the comparison group enrolled in accredited child care centers performed better on the LAP-D than those enrolled in unaccredited centers. Overall the results of the study reveal three unique tical Test findings that serve to inform the field and provide a foundation for future research: .001 .018 1. Attending an accredited childcare center results in .643 better developmental outcomes for all children, including children in the child welfare system. .004 2. Children in child welfare system are far less likely to .083 .279 attend accredited child care centers than their nonchild welfare counterparts. 3. Children in child welfare system demonstrate poorer .077 .020 performance at the end of pre-k compared to children .237 not in the child welfare system. Together, the prominent main effects of accreditation .204 and the low proportion of children in child welfare .610 .041 enrolled in accredited centers, suggest that greater efforts should be made to place children in child welfare in accredited centers. .000 .388 Acknowledgements .846 We would like to acknowledge and thank the Early .014 Learning Coalition of Miami-Dade/Monroe for granting .089 us permission to work with and analyze their data. .466 **Contact information** .001 .199 Laura H. Dinehart, Ph.D. .976 **Florida International University Department of Teaching & Learning** .109 College of Education .135 .501 11200 SW 8th Street ZEB 343A Miami, Fl 33199 .079 .008 dinehart@fiu.edu