The Effectiveness of Interventions Designed to Improve the Academic Outcomes of Children and Adolescents in Out-of-Home Care: A Systematic Review

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Contents

Abstract

Declaration

Acknowledgements

Chapter 1		Introduction			
1.1	Out-of 1.1.1 1.1.2	-home care services in Australia	3		
1.2	Educational outcomes of children and adolescents in OOHC				
1.3	Barrie 1.3.1 1.3.2 1.3.3	rs to educational attainment Individual-level barriers to educational attainment Caregiver- and system-level barriers to educational attainment Current state of research and policy directives	10 13		
1.4	Interve 1.4.1 1.4.2	entions targeting educational attainment	17		
1.5	Significance of this review2				
1.6	Review question and objective				
1.7	Methodology overview				
Chapt	er 2	Systematic Review	23		
2.1	Types of participants				
2.2	Types of interventions				
2.3	Types of comparators				
2.4	Types 2.4.1 2.4.2	of outcomes Primary outcome (academic outcomes)	25		
2.5	Types of studies				
2.6	Review 2.6.1 2.6.2 2.6.3 2.6.4 2.6.5	Method Search strategy Study selection Assessment of methodological quality Data extraction Data synthesis	26 26 27		

Chapter 3		Results	29		
3.1	Study	inclusion	29		
3.2	Methodological quality of the included studies				
3.3	Charae 3.3.1 3.3.2 3.3.3 3.3.4	Cteristics of included studies Study design	34 34 41		
3.4	Study 3.4.1 3.4.2 3.4.3	findingsInterventions for preschool aged children in OOHCInterventions for primary school aged children in OOHCInterventions for high school aged adolescents in OOHC	44 45		
3.5	Summ	ary of the main results	49		
Chapt	Chapter 4 Discussion		52		
4.1	Interve	entions for preschool aged children in OOHC	52		
4.2	Interventions for primary school aged children in OOHC				
4.3	Interventions for high school aged adolescents in OOHC				
4.4	Limitations of the included studies7				
4.5	Limitations of research in this field76				
4.6	Limitations of the systematic review77				
4.7	Implications for policy and practice77				
4.8	Implications for future research80				
4.9	Conclusions84				
Apper	ndix 1:	Systematic review protocol	86		
Apper	ndix 2:	Search strategy	94		
		Critical appraisal tool			
Apper	ndix 4:	Data extraction template	101		
Appendix 5: Excluded Studies					
References					

Abstract

Children and adolescents in out-of-home care face a complex set of barriers to learning that place them at serious educational disadvantage. Educational delays limit the future educational and employment prospects of this population leaving them vulnerable to a host of negative long-term outcomes. Longstanding concern for the poor academic status of children and adolescents in out-of-home care coupled with burgeoning interest amongst policymakers on how the academic outcomes of this population can be improved has lead to a proliferation of evaluative research studies in recent times. The objective of this systematic review was to locate, critically appraise and synthesise the best available evidence on the effects of interventions designed to improve the academic outcomes of children and adolescents in out-of-home care.

A search for published and grey literature was conducted across a range of electronic sources including ERIC; PsycINFO; PubMed; Social Services Abstracts; Sociological Abstracts, and Proquest Digital Dissertations. The search yielded 7263 unique records that were screened for eligibility. Studies were selected if they evaluated the impact of an intervention on the academic achievement of children and adolescents (<18 years of age) placed formerly or currently in out-of-home care using a randomised control trial study design. Following study selection and critical appraisal six eligible studies of moderate quality were included in the review. Study characteristics and methodological quality data were tabulated and accompanied by a narrative synthesis.

Two studies evaluated the effects of school readiness programs on the pre-academic skills of preschool aged children (three to five years) in foster and kinship care compared to 'services as usual' comparator. One school readiness program demonstrated a statistically significant impact on preschool children's early literacy, (ES = 0.26) while the other significantly improved children's pre-academic math and literacy skills (ES = 0.16) at post-intervention. Two studies evaluated the effects of a direct instruction tutoring program in primary school aged children (six to 13 years) in foster and kinship care using different delivery formats, compared to a wait-list control. At post-intervention, the one-on-one tutoring delivered by foster parents significantly improved children's math computation (ES = 0.46) and sentence comprehension skills (ES = 0.38) while the group-based tutoring delivered by university student volunteers significantly improved children's word reading

(ES = 0.40), spelling (ES = 0.25) and math computation skills (ES = 0.34). No evidence was found for interventions that aimed to improve the academic outcomes of high school aged adolescents (14 to 17 years) in the broader out-of-home care population at greater risk of educational failure.

In conclusion, evidence from this review suggests that multi-component interventions that target individual-level barriers to educational attainment can improve the short-term academic outcomes of young children in foster and kinship care; however, replication of these studies and more robust research is needed before firm conclusions can be made about the effectiveness of these programmes for improving the academic status of children and adolescents in out-of-home care. Implications for future research and policy and practice are discussed.

Declaration

I, Dagmara Riitano, certify that this work contains no material that has been accepted for the award of any other degree or diploma in any university or any other tertiary institution, and, to the best of my knowledge and belief, contains no material previously published or written by any other person, except where due reference has been made in the text. In addition, I certify that no part of this work will, in the future, be used in a submission for any other degree or diploma in any university or other tertiary institution without the prior approval of the University of Adelaide and where applicable, any partner institution responsible for the joint-award of this degree.

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