Predictors of Children's Classroom Engagement and Educational Resilience across the Preschool-School Transition

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A thesis submitted to the University of Adelaide, South Australia for the degree of Doctor of Philosophy

Discipline of Paediatrics

Faculty of Health Sciences

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LIST OF ABBREVIATIONS

ADHD Attention Deficit Hyperactivity Disorder

AEDI Australian Early Developmental Index

ANOVA Analysis of Variance

BIC Schwarz Bayesian Criterion

BRF-R Behavior Rating Form-Revised

CD Conduct Disorder

CFI Comparative Fit Index

CPRS Child-Parent Relationship Scale

DECS Department of Education and Children's Services

DFA Discriminant Function Analysis

ECLS-K Early Childhood Longitudinal Study - Kindergarten cohort

EFA Exploratory factor analysis

FILE Family Inventory of Life Events

GHQ-12 General Health Questionnaire (12-item version)

ISI Item separation index

LBS/ PLBS Learning Behaviors Scale/ Preschool Learning Behaviors Scale

LIS-YC Leuven Involvement Scale for Young Children

LSAC Longitudinal Study of Australian Children

LTE-Q List of Threatening Experiences Questionnaire

MANOVA Multivariate Analysis of Variance

NFI Normed Fit Index

NICHD National Institute of Child Health and Development

ODD Oppositional Defiant Disorder

PSI Person separation index

RAPS Rochester Assessment Package for Schools engagement scale

RAPS-R Rochester Assessment Package for Schools engagement scale - Revised

RCT Randomised controlled trial

RMSEA Root Mean Square Error of Approximation

SDQ Strengths and Difficulties Questionnaire

SES-TV Self-Efficacy Scale - Teacher Version

SES Socio-economic status

SLSA School Liking and School Avoidance Scale

SSRS Social Skills Rating Scale

STRS Student-Teacher Relationship Scale

TLI Tucker-Lewis Index

TRSSA Teacher Rating Scale of School Adjustment

ABSTRACT

The aim of this thesis was to determine how three key preschool factors - children's relationships with adults, self-concept and mental health problems - predicted their classroom engagement during their first year of school. The preschool-school transition represents a 'window of opportunity' where appropriate intervention efforts may help enhance children's engagement, a critical aspect of adjusting to school. However, a major barrier in developing effective interventions is that little is known regarding the mechanisms by which key factors predict engagement in the early school years. To address this limitation, this thesis tested a social-motivational model which specifies that parent-child and teacher-child relationships indirectly promote children's engagement, by first strengthening their self-concept and mental health. Engagement was also examined from a resilience perspective, conceptualised as 'better than expected' engagement given children's experience of cumulative risk.

Participants were 575 young children recruited from the 27 preschools within one South Australian school district. Data were collected from their parents and teachers across three waves at yearly intervals, using a longitudinal prospective design. In preschool, both parents and preschool teachers completed questionnaires assessing the quality of children's parent-child and teacher-child relationships, self-concept and mental health problems. Parents also reported on several family risk factors (e.g., parental psychological distress and unemployment, single parent households). One year later, teachers rated children's classroom engagement levels in their first year of school. Additionally, a randomly selected sub-sample of children were interviewed and observed regarding their engagement during a normal school day. Finally, in the third study year, teachers reported on children's school progress, disciplinary action, absences and lateness. A range of path analytic techniques were used to test the hypothesised associations between these variables.

Results showed that good quality relationships with parents and teachers during preschool were indirectly associated with children's subsequent classroom engagement,

through their associations with preschool self-concept and mental health problems. With all predictor variables included in the model, only preschool mental health problems was uniquely related to children's engagement. Associations between mental health problems and engagement were similar for boys and girls. However, boys showed significantly higher levels of externalising problems and lower levels of engagement. Similar mediating mechanisms operated in contexts of risk, by predicting children's resilience (i.e., 'better than expected' engagement).

Children's relationships with parents and teachers, and their self-concept and mental health problems are important predictors of their subsequent classroom engagement. These preschool markers could be used to identify groups of children at risk of developing low engagement. Furthermore, interventions that target these factors may boost children's engagement, helping them start school ready and eager to learn. Although these interventions may benefit boys and girls equally, boys may need more intensive support to help them start school on more equal footing with girls. Furthermore, the same intervention efforts may help both high- and low-risk children. Such interventions may disrupt pathways leading to poor engagement among at-risk children, while also equipping other children with the strengths they need to cope with adverse circumstances before any such risk is experienced.

DECLARATION

This work contains no material which has been accepted for the award of any other degree or diploma in any university or other tertiary institution and, to the best of my knowledge and belief, contains no material previously published or written by another person, except where due reference has been made in the text.

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ACKNOWLEDGEMENTS

Thanks to everyone who helped in the production of this thesis. But in particular:

My three supervisors:

Michael Sawyer, for always seeing the bigger picture, and challenging me to become a better researcher, because he knew the potential was there.

Lauren Miller-Lewis, for so generously sharing her amazing project with me, and trusting me to take care of her first 'baby'! I have really valued working so closely with her, and learning so much in the process; and

Peter Baghurst, for enhancing my work with his incredibly sharp mind, whilst reassuring me with his easygoing and unassuming manner.

All of the staff and students at the Research and Evaluation and Public Health Research units, for their support, and non-thesis-related chats. Thanks also for bearing with me on days where I would rarely venture past my computer.

Dr. Siek Toon Khoo, for her statistical help with an unfamiliar technique. Her expertise has elevated the quality of my work, and made me think more deeply about scientific detail.

Ms Nancy Briggs, for clearly communicating such complex statistical information.

Mr Mike Hudson and his staff within the DECS Southern Sea and Vines District, including the project design team, and participating teachers. Without their dedication to improving the wellbeing of children in their care, this project would not have been possible.

Australian Rotary Health, with particular mention to the Adelaide Rotary Club, for the financial support without which I could not have completed my PhD, and for their commitment to furthering mental health research.

Mum (for the phone calls, dinners, and ready packets of Mint Slices) and dad (my editor and computer and software consultant who, as usual, helped avert my computer-related breakdown at the 11th hour). They provide the perfect example of Bowlby's attachment theory that underpins this thesis. All of my successes – including completing this thesis – are a direct result of their constant and unconditional support.

And to Toby: for keeping me connected to life outside study, for never questioning my submission date, and for your unshakable belief in my capabilities. I look forward to enjoying the next chapter of our life together.

