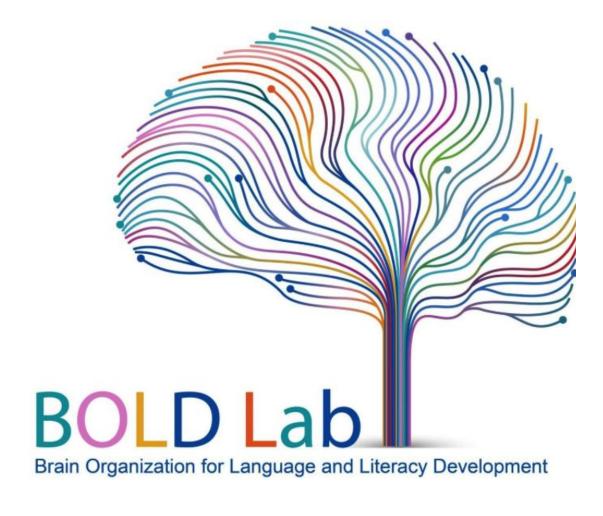
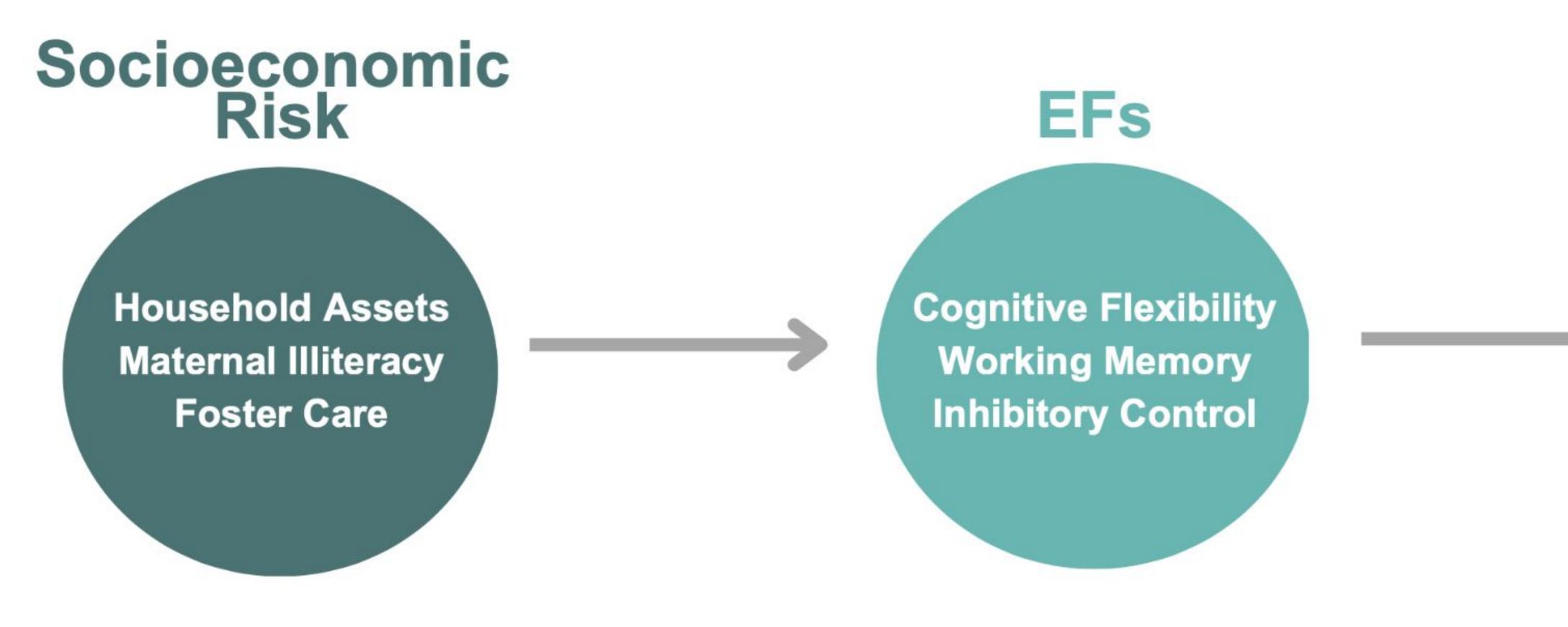
MODELING THE ASSOCIATIONS BETWEEN SOCIOECONOMIC RISK FACTORS, EXECUTIVE FUNCTION COMPONENTS, AND LITERACY AMONG CHILDREN IN RURAL CÔTE D'IVOIRE





INTRODUCTION



RQ1: Do all three EF components mediate the relationship between socioeconomic risk factors and literacy? RQ2: How do different socioeconomic risk factors affect EFs and literacy?

Children in rural Côte d'Ivoire often face socioeconomic (SE) risk factors detrimental to cognitive and reading development



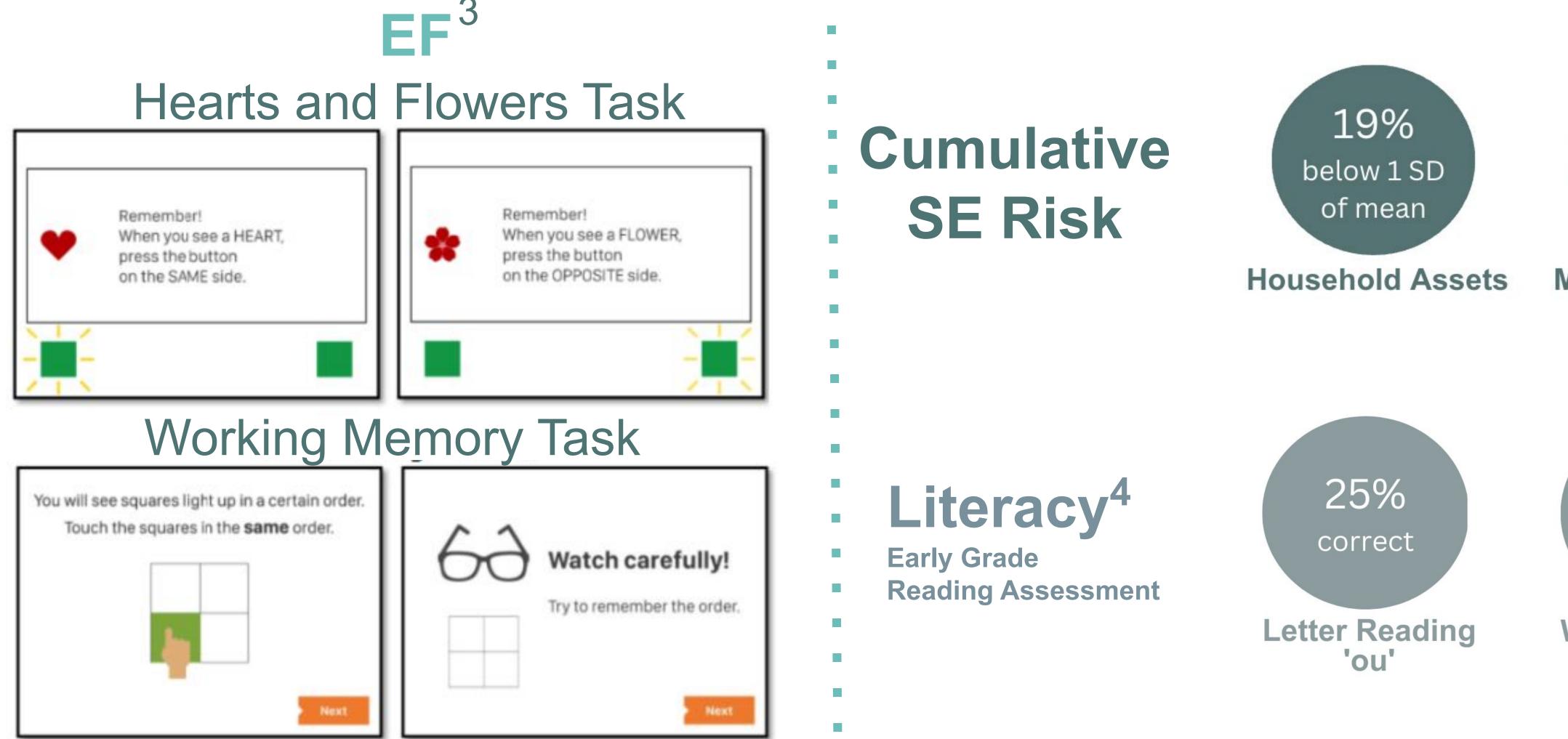


Kinship foster care, a common practice in rural Côte d'Ivoire, may accentuate the negative effects of other SE risk factors Increases family size, affecting income to needs ratio² Less investment from foster parents²

METHODS AND DESCRIPTIVE RESULTS

PARTICIPANTS

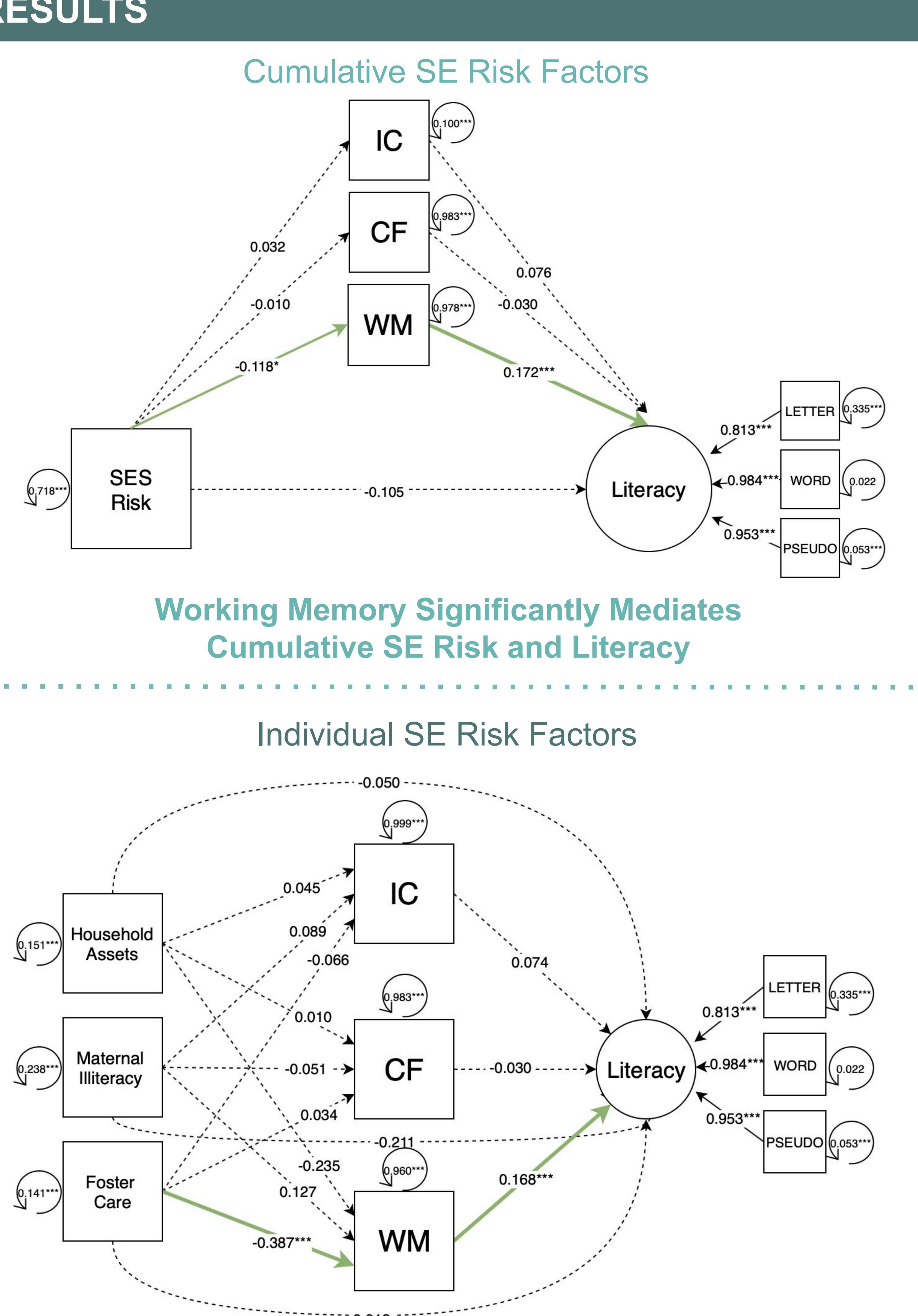
369 5th grade children (Females=176) ages 9-11 (M=10.09, SD=0.78)

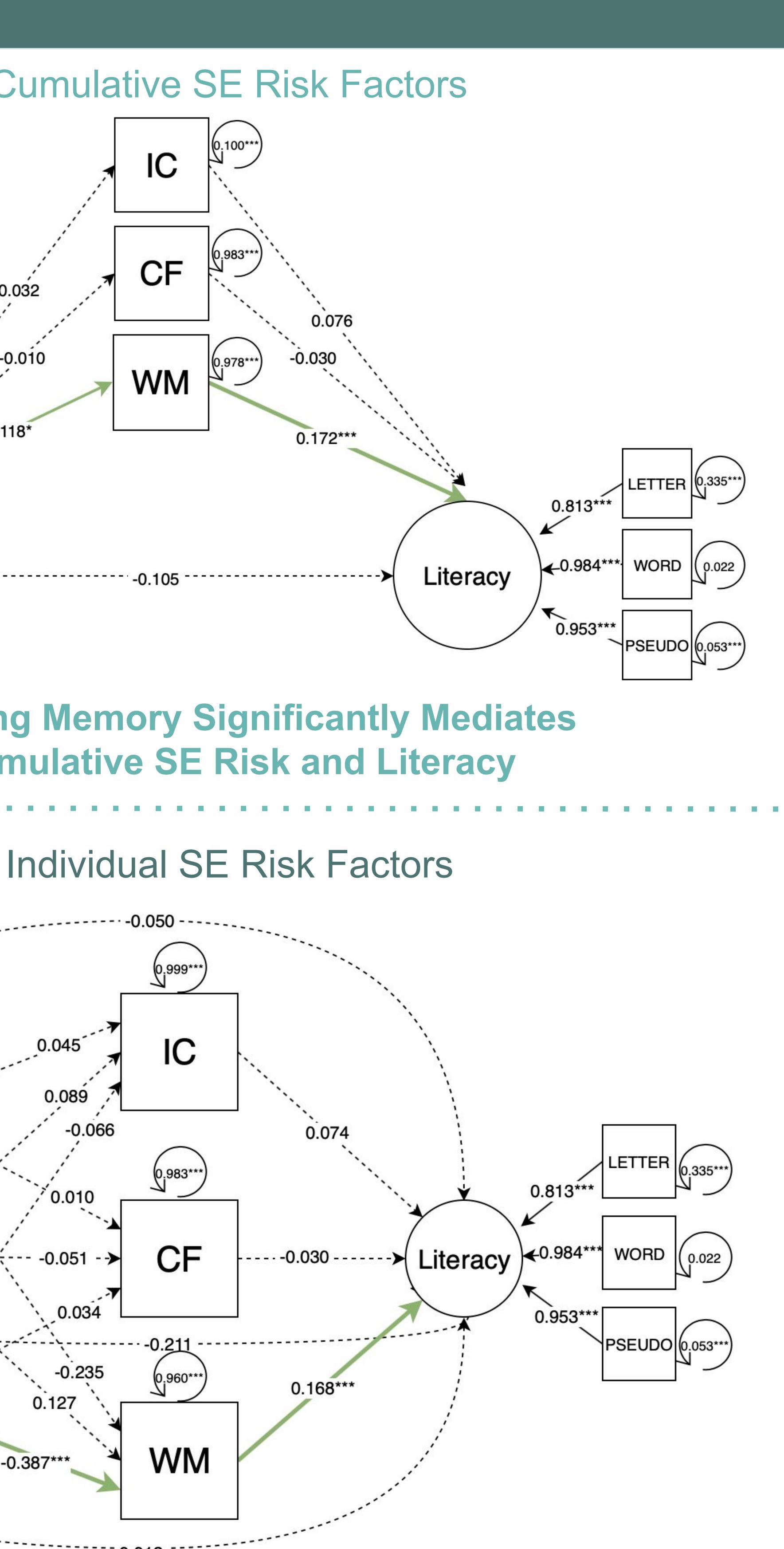


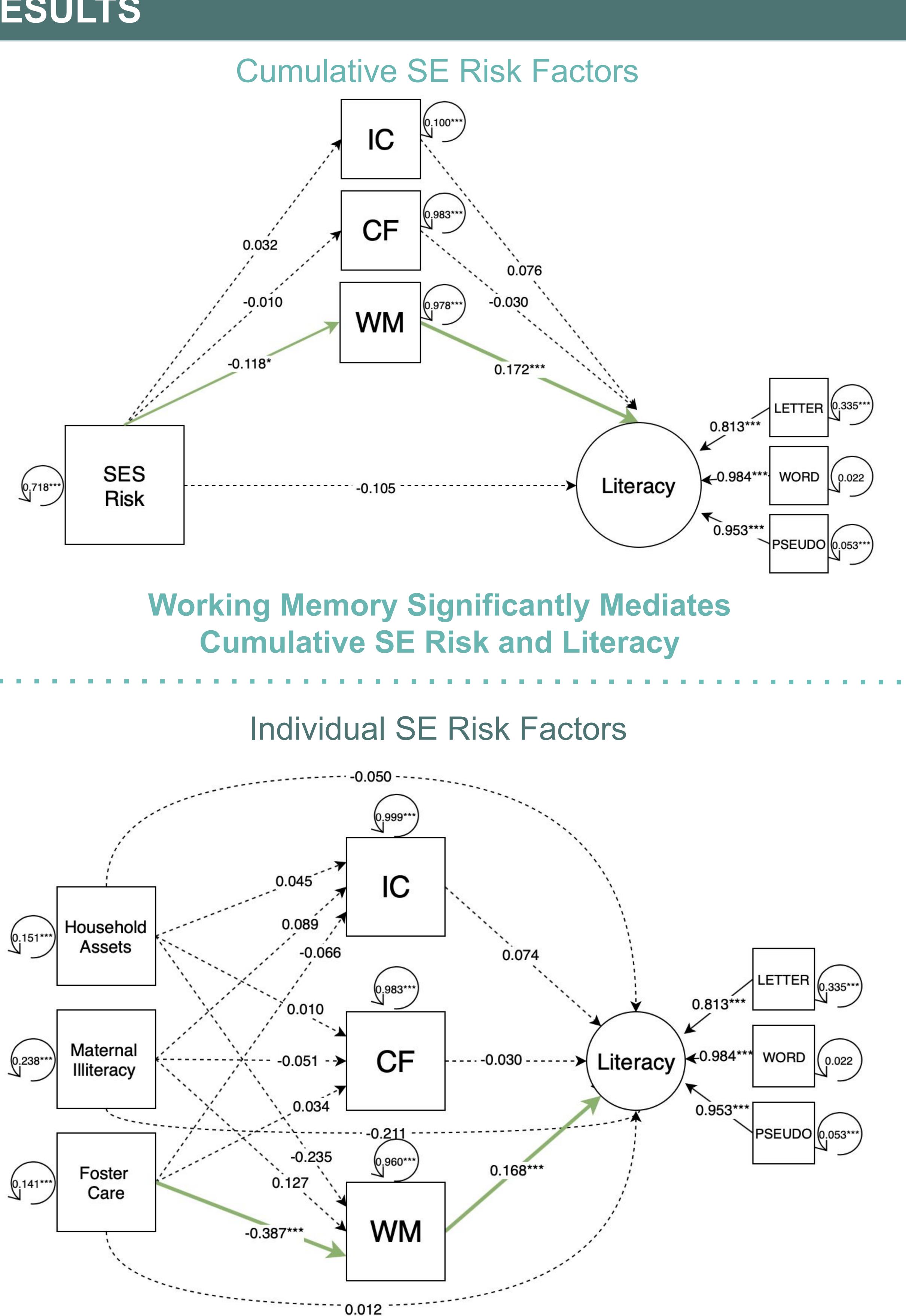
Faryal Khan¹, Brooke Wortsman¹, Hannah Whitehead¹, Joelle Hannon², Amy Ogan³, Michael J. Sulik⁴, Jelena Obradović⁴, Kaja K. Jasińska^{1,5*} ¹University of Toronto ²University of Delaware ³ Carnegie Mellon University, ⁴ Stanford University, ⁵Haskins Laboratories



RESULTS







Foster Care Negatively Linked to Literacy via Working Memory

IMPLICATIONS



SE RISK ASSOCIATIONS

Measure

1. Household Assets

- 2. Maternal Illiteracy
- 3. Foster Care

Foster Care and Household Assets Are Associated with Maternal Illiteracy

REFERENCES AND ACKNOWLEDGEMENTS

- Science, 47(2), 141-164.
- 315-322
- 1, pp. 44–57).
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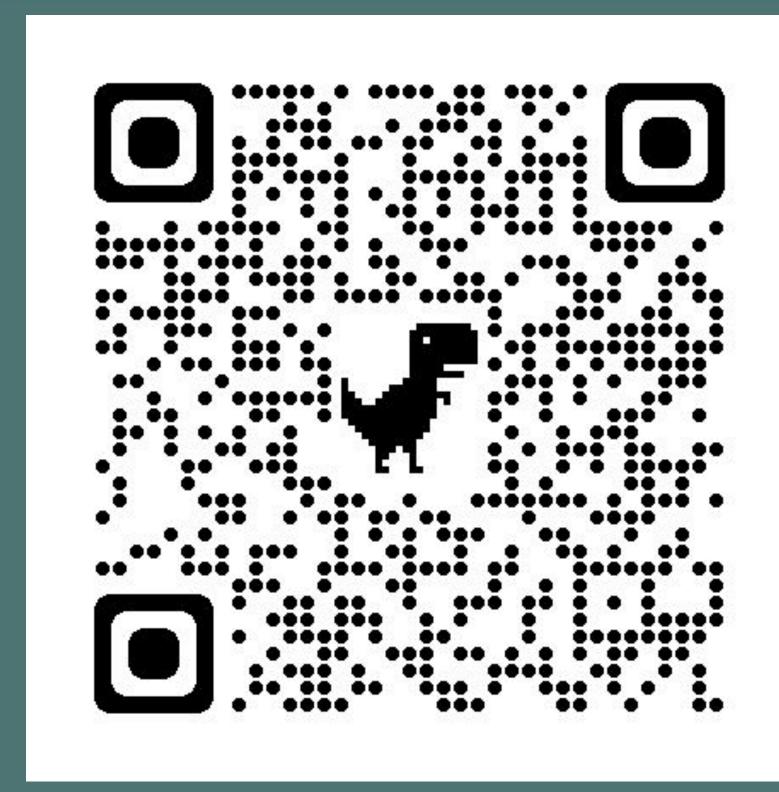
Socioeconomic risk influences underlying cognitive pathways that support literacy development

Foster care was associated with decreased EFs and literacy; children in foster care may benefit from intervention and additional research

It is important to examine how specific EFs influence the SE-literacy achievement gap to better understand literacy development



BOLD Lab Website



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