

The Poverty attainment gap: Insights for the early years context

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SUII Seminar- Conversations about Language and Literacy



Patterns of Early Attainment Gap

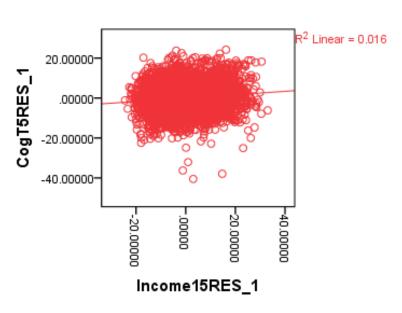
Several longitudinal studies suggests gap starts before formal schooling

Gap between children from richest and poorest background at age 5

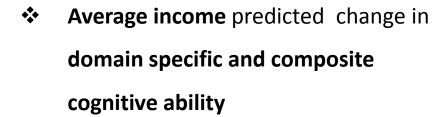
6-13 months in problem solving

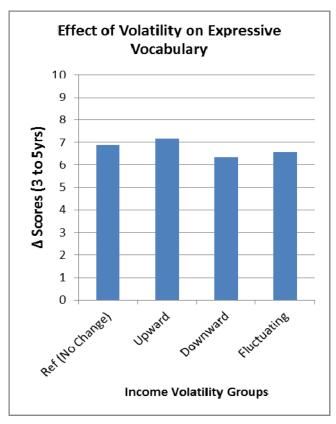
11-18 months in expressive vocabulary





Cases weighted by De Birth cohort Sw5 weight - longitudinal





Upward volatility (gaining) marginally predicted increases in expressive vocabulary ability



Affects other developmental outcomes

Higher prevalence of

- Emotional and behavioural difficulties
- Additional support needs/SEN
- Stress & depression
- Somatic complaints
- Pervasive negative thinking

These problems can reinforce or are reinforced by poor cognitive outcomes (e.g. Sosu & Schmidt, 2017, Frontiers in Psych)

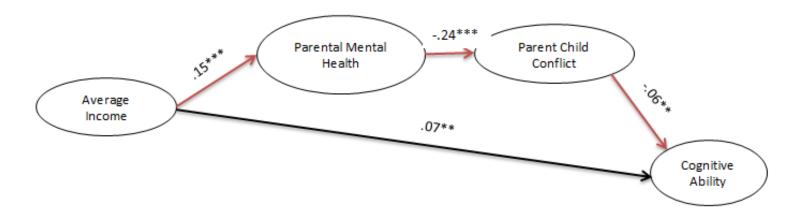


Why/how does poverty influences outcomes?

Individual and structural mechanisms



Family Stress Mechanisms - Average Income

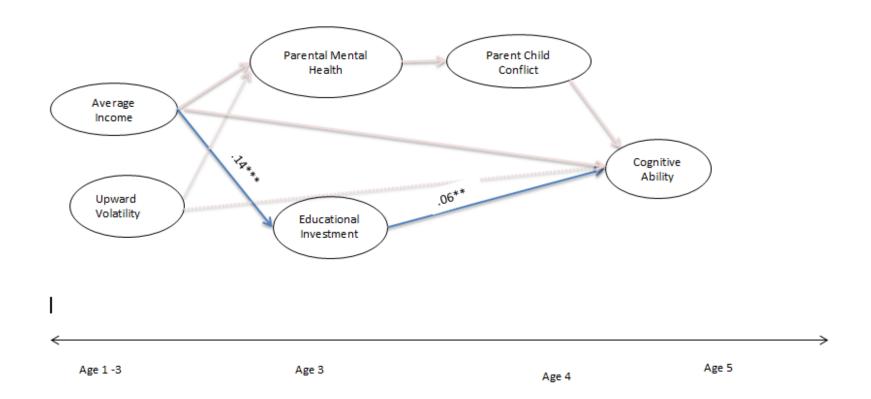


Age 3

Age 5 Age 4 Age 1 -3

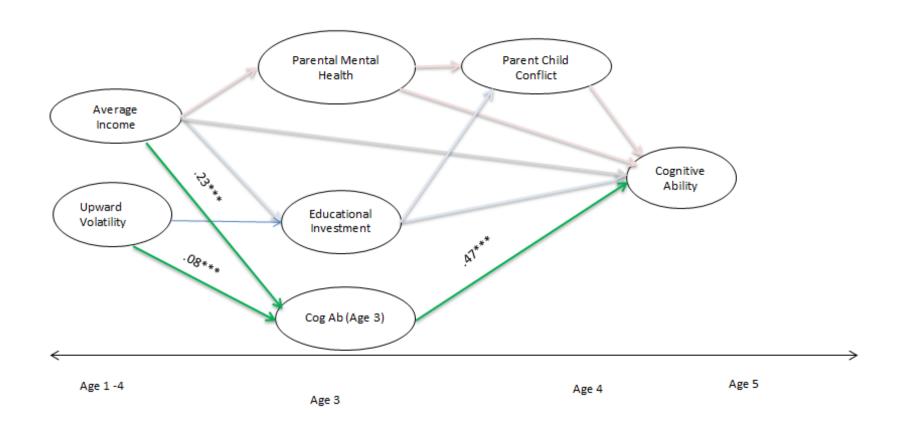


Investment Mechanisms- Average Income





Pathway via age 3 cognitive ability





CHILD Stress:

(Blaire et al, 2011, child dvt)

- ☐ Chn in poverty Higher stress hormones
- □ Stress hormones associated with executive function/prefrontal context/hippocampus
- Associated with information processing and decisions about how to cope with new situations



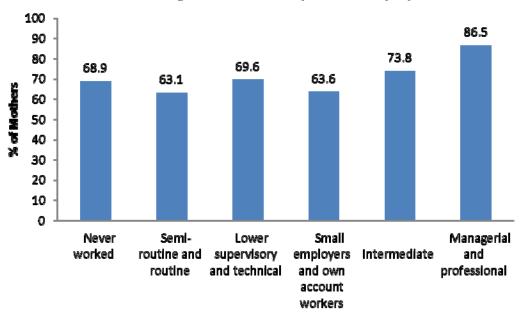
Is this fatalistic? – not necessarily

- Not all children in poverty perform poorly
 - We need to know more about protective factors
- ☐ Concept of 'plasticity' suggests that enriched experiences can reverse even severe negative effects (Sonuga-Barke et al, The Lancet, 2017)
- □ EPPE study suggests buffering effect of quality early years education (Sammons et al., 2007)



...parents are optimistic

Maternal educational aspiration that their children obtain degree and above (GUS Sweep 4)



Mothers Socioeconomic Status

(Sosu, 2014, International Journal of Educational Research)



Policy implications?

 High quality years experiences with focus on developing language, pre-reading, non-verbal reasoning

(Fricke et al., 2013; 2017; Sammons et al., 2007)

 Funding to reduce poverty (Hutchings et al., 2012; Hampden-Thompson, 2013)



Thank You

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