Give every child a good start in life

Yvonne Kelly
International Centre for Lifecourse Studies in Society and Health (ICLS)
www.ucl.ac.uk/icls
@icls_info
@childofourtime
CSDH conceptual framework for action on the social determinants of health

Social determinants for child health and development

Social and public policy, including health, education, welfare, housing

Socioeconomic position
- Social class
- Gender
- Ethnicity
- Education
- Occupation
- Income

Behavioural – including home environment and parenting activities (reading and telling stories), family routines (sleeping and meal times, screen based media use), physical activity

Material - including, housing quality, overcrowding, air pollution

Psychosocial – including parent mental health, parent-child interactions, discipline strategies, parental warmth and hostility

Child health and development

Structural determinants

Intermediary determinants
Verbal months ahead or behind at age 7 by number of risk factors

Kelly et al, forthcoming
Clinically relevant behavioural problems at age 7, by number of risk factors

Kelly et al, forthcoming
Regression coefficients for behavioural difficulties scores (mother report) by non-regular bedtimes throughout early childhood, cumulative effects

![Graph showing regression coefficients for behavioural difficulties scores (mother report) by non-regular bedtimes throughout early childhood, cumulative effects.](image)

Kelly, Kelly, Sacker Pediatrics 2013;132:e1184-93
The effects of changes in the regularity of bedtimes on behavioural difficulties scores

Kelly, Kelly, Sacker *Pediatrics* 2013;132:e1184-93
Longitudinal Verbal Profiles

- Average (74.9%)
- High (19.5%)
- Low (5.6%)

Mean BAS scores

Age:
- 3
- 5
- 7
- 9
- 11

Zilanawala et al, Eur J Pub Health 2016
BMI trajectories in childhood

Kelly et al, Pediatrics 2016
Being read to at age 3

*** differences compared to those read stories to every day p<0.001
Kelly et al, forthcoming
Change in frequency of being read to, ages 3 to age 5

- Difference in behavioural difficulties score

Kelly et al., forthcoming
Longitudinal Verbal Profiles

Zilanawala et al, Eur J Pub Health 2016
Reading for pleasure most days at age 11

Kelly et al, forthcoming
Well being at age 11 by reading for pleasure

Kelly et al, forthcoming
Income gap in the risk of socioemotional difficulties at 5 years of age

Summary

• Early child health and development matters – now and for the future

• Stark socioeconomic inequalities are evident and these start early

• Structural factors shape ‘intermediary’ environments: behavioural, material, psychosocial

• To give every child a good start in life - action is needed on intermediate and structural influences
Bridging social and biological sciences

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