

What does LIFEPATH evidence say about when policy interventions should occur in the lifecourse?

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Structure of the Presentation



1. Evidence from prospective birth cohort studies

Socio-economic inequalities in children's height and BMI trajectories

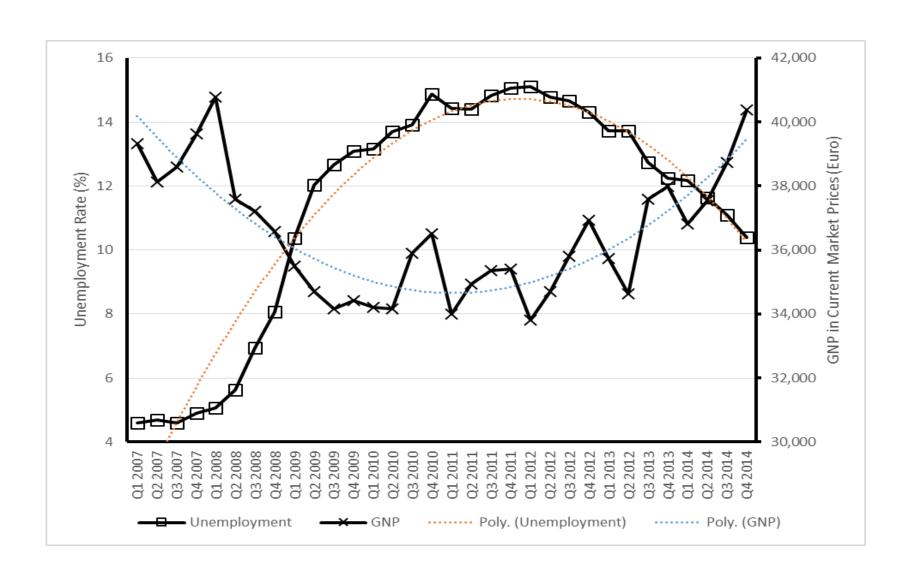
2. Evidence from naturalistic experiments

Impact of socio-economic "shocks" during the Great Recession on health and wellbeing

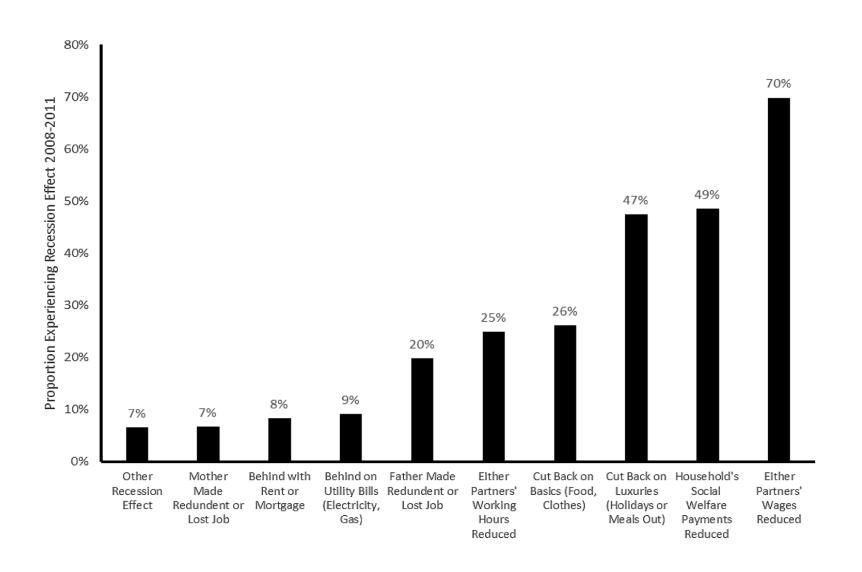
3. Evidence from life course trajectory modelling

Impact of SEP transitions across the life course on later life health (Fiorito et al. 2017)

The Great Recession in Ireland

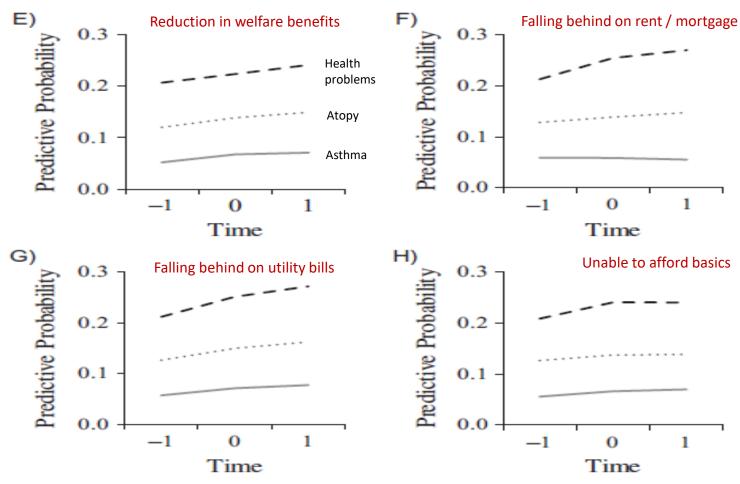


The Great Recession in Ireland



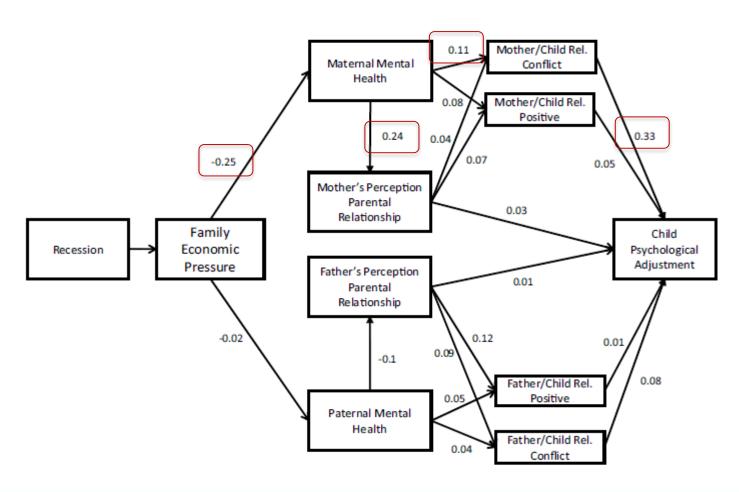
Impact of Socio-Economic Shocks





Impact of Socio-Economic Shocks





Examining Counterfactuals

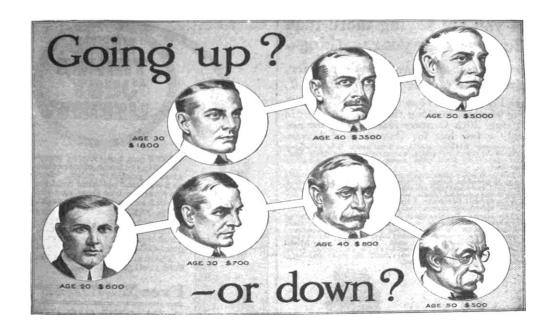


Second important evidential base for early intervention comes from studies of mid-life and older ages

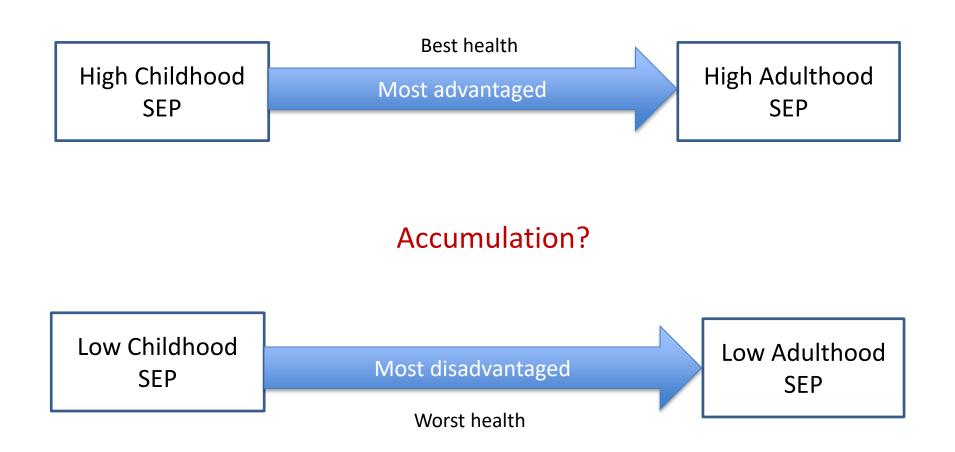
We cannot randomize SEP, but we can use counterfactuals to examine the health-related sequelae associated with enduring or transient states of SEP.

Better evidence if we have prospective data and frequent measurement of SEP at various stages across the life course

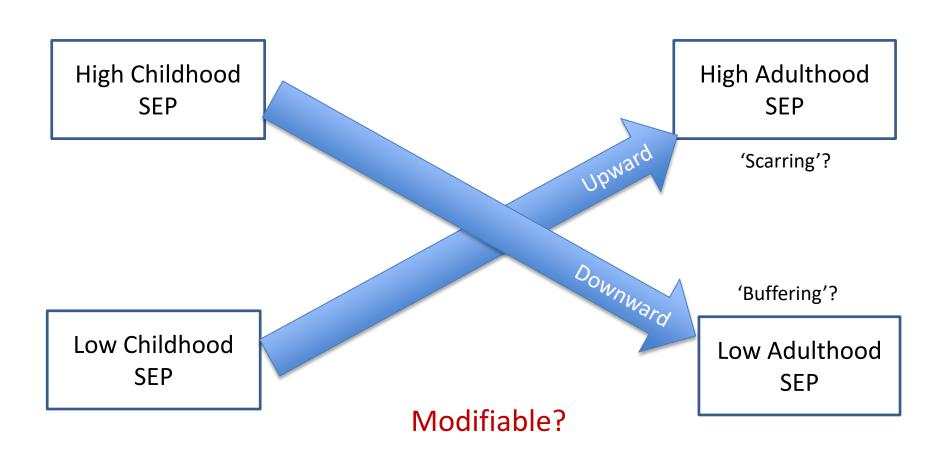
Examining Counterfactuals



Testing life course models



Testing life course models



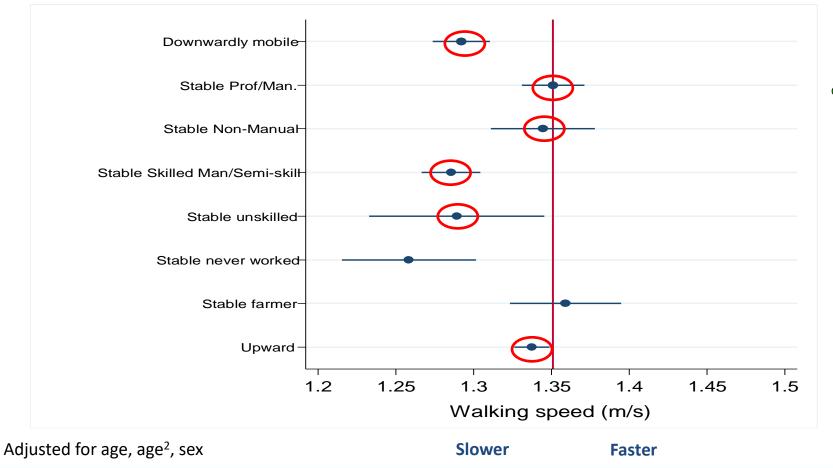
<u>Cross-classification of childhood and adulthood SEP</u>



	Destination Class (Current)				
	Professional	Non-Manual	Skilled	Unskilled	Not working
			Manual		
Origin Class (Father)					
Professional	STABLE	DOWNWARD	DOWNWARD	DOWNWARD	DOWNWARD
Non-Manual	UPWARD	STABLE	DOWNWARD	DOWNWARD	DOWNWARD
Skilled Manual	UPWARD	UPWARD	STABLE	DOWNWARD	DOWNWARD
Unskilled	UPWARD	UPWARD	UPWARD	STABLE	DOWNWARD
Never worked	UPWARD	UPWARD	UPWARD	UPWARD	STABLE

Average Marginal Walking Speed (cms/sec) by Intergenerational Mobility Status



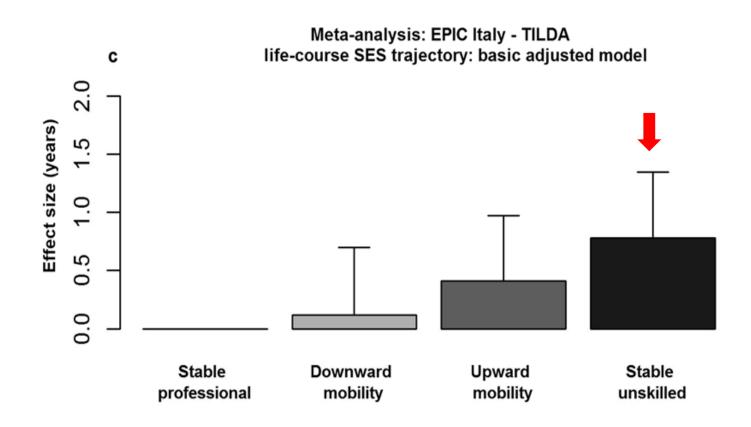




McCrory et al. (2018). Journals of Gerontology: Social Sciences

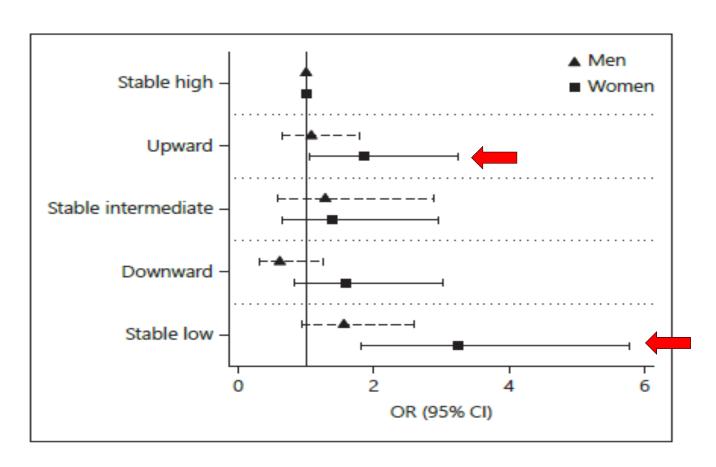
Epigenetic Age Acceleration (years) by Intergenerational Mobility Status





Risk of Later Life Kidney Disease by Intergenerational Mobility Status

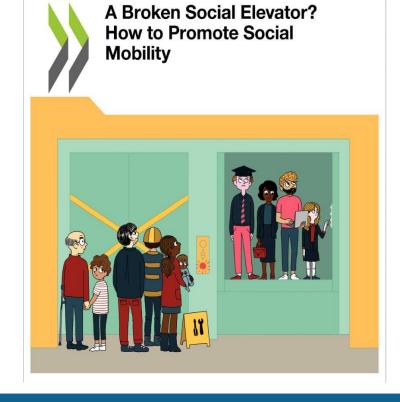




Conclusions (1)



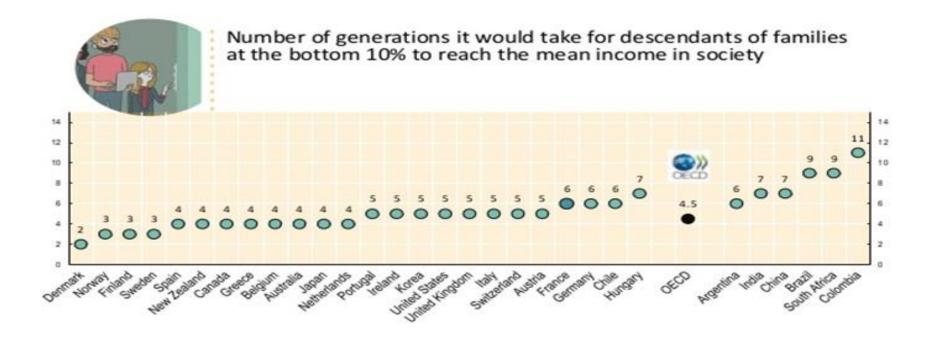
Social mobility is not a panacea, reinforcing the need for early intervention.



Conclusions (1)



Social mobility is not a panacea, reinforcing the need for early intervention.



Conclusions (2)



The extent to which mobility can "compensate" for early life disadvantage seems to depend on the organ system.

- 1) Those who experience high SEP and low SEP across the life course are in the best / worst health respectively (i.e. accumulation)
- 2) High early life SEP does not buffer one against changing socio-economic circumstances (i.e. the pathway through life is important) and high SEP in later life may not fully recover lost 'health capital'
- 3) Lower health capital at birth means less reserve to buffer against decline in later life (i.e. critical period)

No single life stage predominates, but early intervention offers us the best opportunity to intercept these riskier developmental trajectories.