

Driving Science-Based Innovation to Achieve Breakthrough Outcomes For Children Facing Adversity

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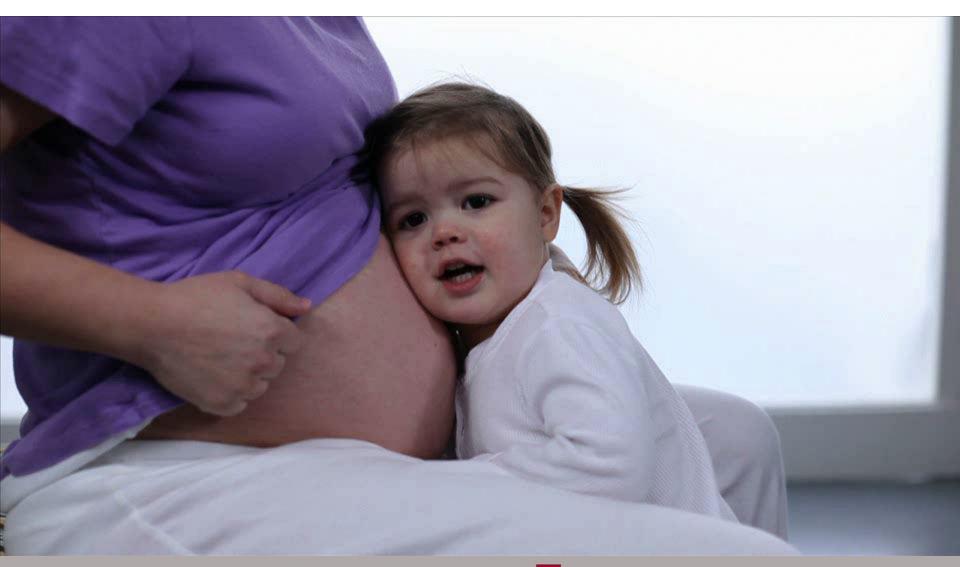


The Foundation of a Successful Society is Built in Early Childhood

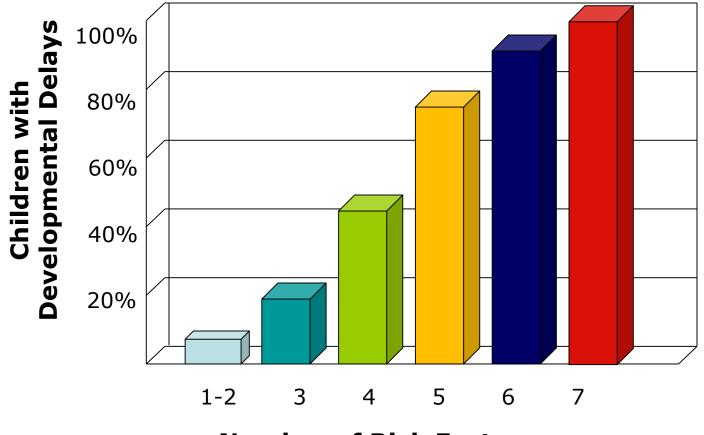
Healthy development in the early years provides the building blocks for educational achievement, economic productivity, responsible citizenship, lifelong health, strong communities, and successful parenting of the next generation.

Advances in neuroscience, molecular biology, and the behavioral and social sciences could be leveraged to catalyze more effective policies and practices across multiple sectors at the neighborhood level.

Genes and Experiences Interact to Build Brain Architecture



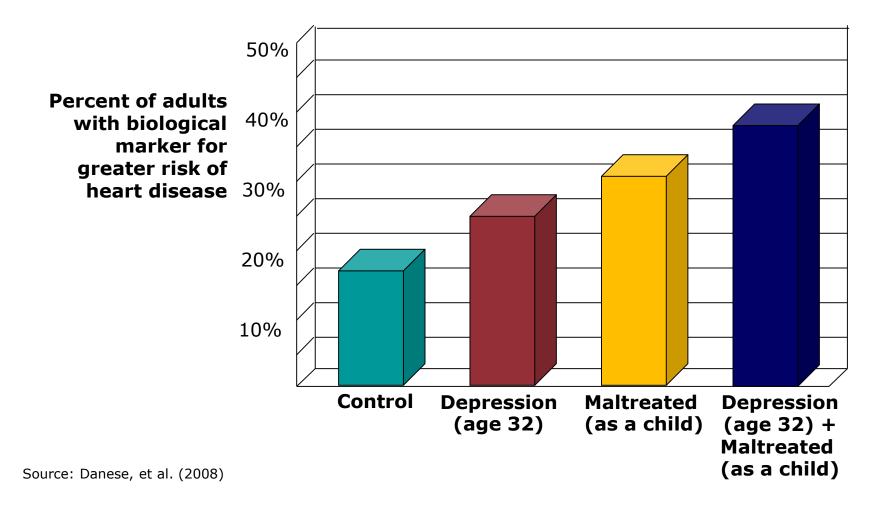
The Cumulative Pile Up of Adversity Impairs Development in the First Three Years



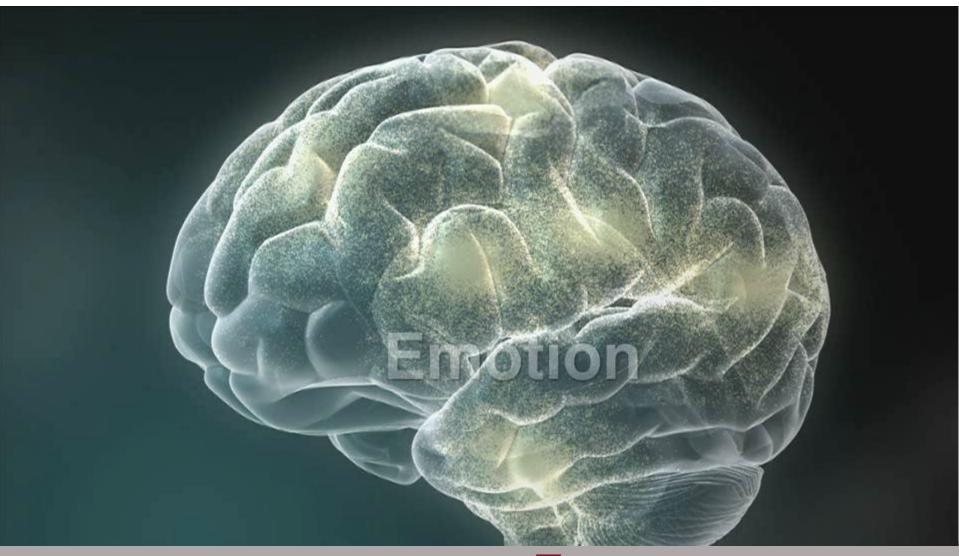
Number of Risk Factors

Source: Barth, et al. (2008)

Biological "Memories" Link Maltreatment in Childhood to Greater Risk of Adult Heart Disease



Toxic Stress Derails Healthy Development



Using 21st Century Science to Change the Narrative for Policy and Practice Across Sectors

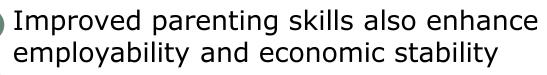
Early experiences affect **both** lifelong health **and** learning Healthy development requires **both** protection **and** enrichment



Generating Hypotheses to Guide the Design and Testing of New Intervention Strategies

Early experiences affect lifelong health **and** learning Healthy development requires protection **and** enrichment

Protection and enrichment for young children require capacity-building for their caregivers



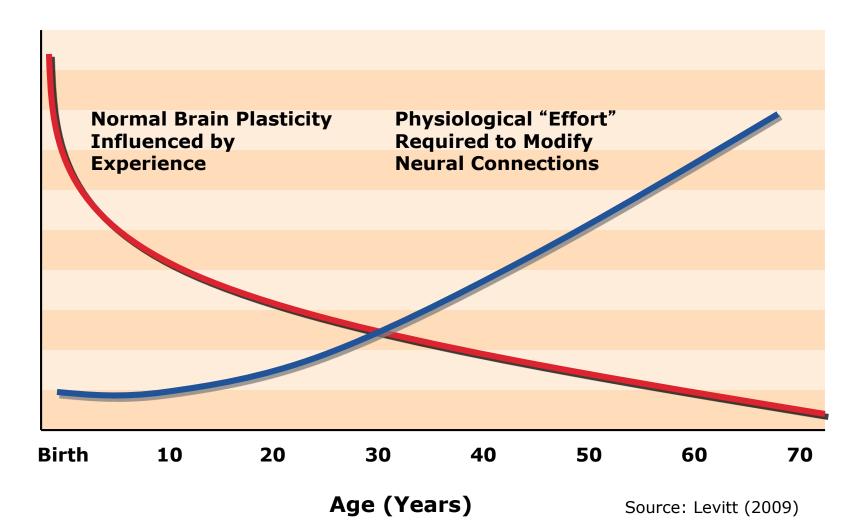
3 Strong communities reduce sources of toxic stress

Skill Building for Parenting and Economic Self-Sufficiency Points to the Foundational Role of Executive Function and Self-Regulation Skills

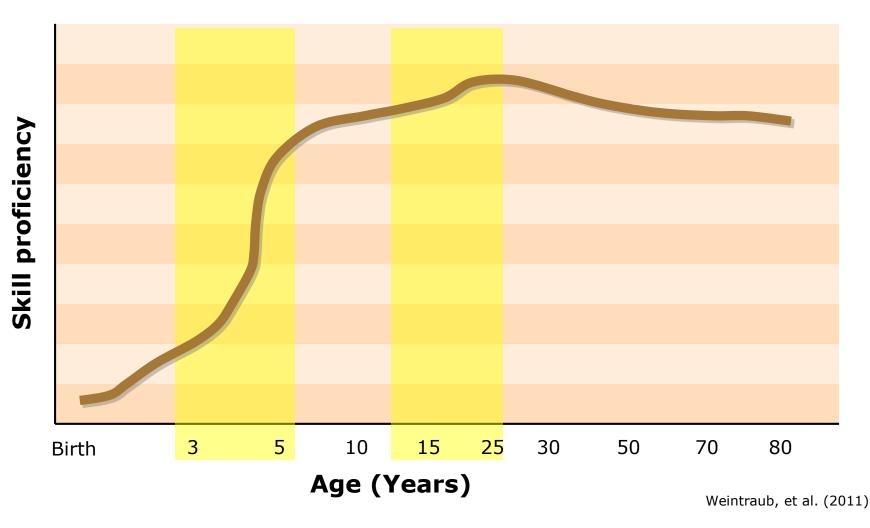


These core dimensions of adult competence include the ability to focus and sustain attention; set goals, make plans, and monitor actions; make decisions and solve problems; follow rules, control impulses, and defer gratification.

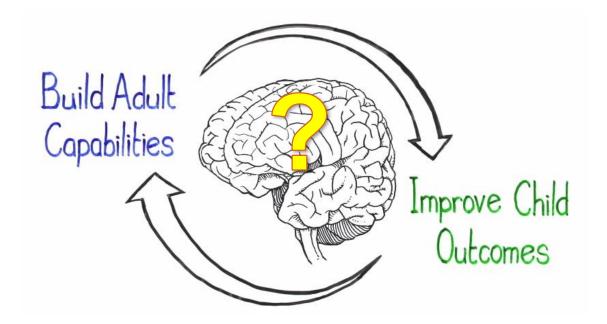
The Challenge: The Ability to Change Brains and Behavior Decreases Over Time



The Opportunity: The Development of Executive Function Skills Begins in Early Childhood and Extends into the Early Adult Years



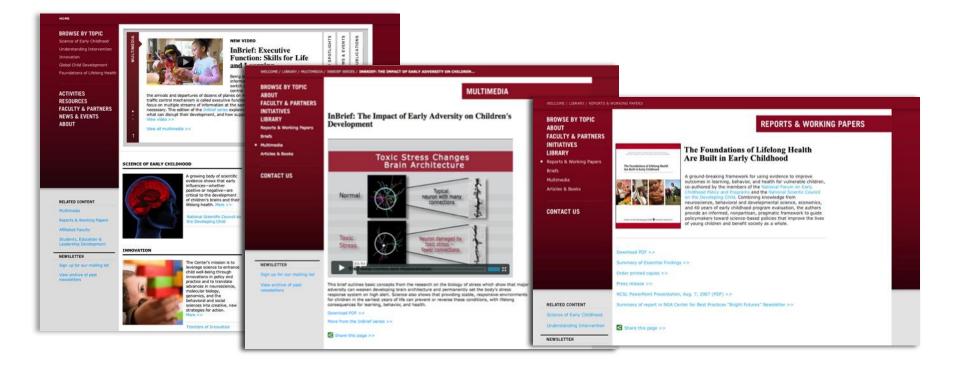
Crafting a New Framework for Intergenerational Investment



If we really want to achieve breakthrough outcomes for children facing significant adversity, then we have to transform the lives of the adults who care for them.



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