

Thinking Beyond Neurons and Neighborhoods: New Science for a New Era of Early Childhood Policy

Aug. 18, 2023



NATIONAL CONFERENCE OF STATE LEGISLATURES

Session Overview





Presenters



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Director, Center on the Developing Child at Harvard University



Lt. Gov. Suzanne Crouch

State of Indiana

Serves as the President of the Indiana Senate

> Current Gubernatorial Candidate

Former State Legislator

Former State Auditor

Former County Commissioner





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National Conference of State Legislatures Summit August 15, 2023

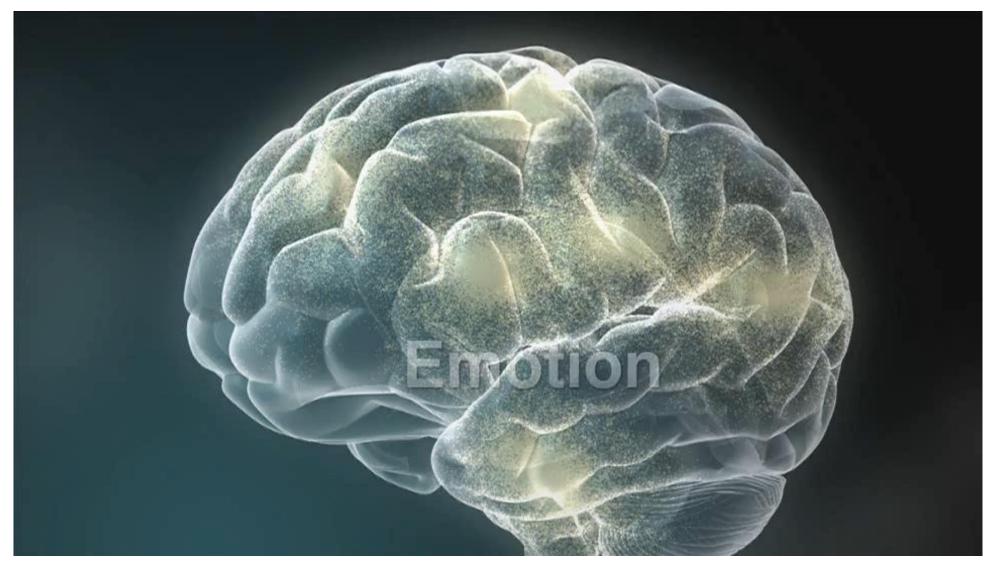
Find Us: Center on the Developing Child at Harvard



Understanding the Impact of Early Experiences on the Architecture of the Developing Brain



Toxic Stress Disrupts Brain Architecture with Consequences for Early Learning and Behavior



Deepening Our Understanding of the Early Foundations of Learning, Behavior & Lifelong Health



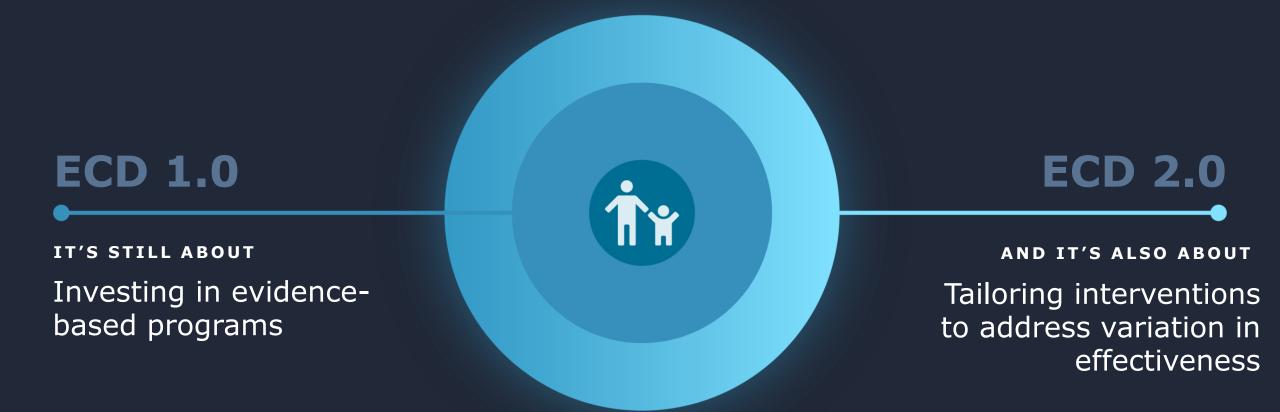
Digging deeper and moving upstream





ECD 2.0

AND IT'S ALSO ABOUT Protecting developing brains and bodies from biological disruptions of excessive adversity





IT'S STILL ABOUT

Strengthening caregiver-child relationships

ECD 2.0

AND IT'S ALSO ABOUT

Communities, government, business, and philanthropy working together to assure a supportive environment for **all** families raising young children Where children live presents a variety of assets and threats that affect their health and development

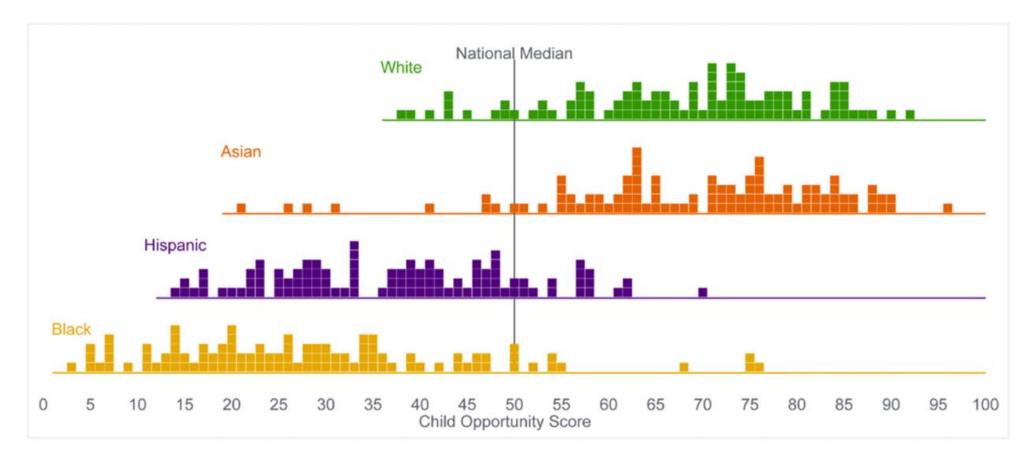
Child Opportunity Index [100 LARGEST U.S. METRO AREAS; 72,000 CENSUS TRACTS; 29 INDICATORS]

- High quality child care Commuting time
- Education resources
- Access to healthy food
- Green space
- Housing vacancy rate
- Toxic waste proximity

Source: Acevedo-Garcia et. al. (2014)

Residential Segregation Leads to Striking Inequalities in Exposure to Opportunities and Adversities

This Affects Child Development and Both Physical and Mental Health



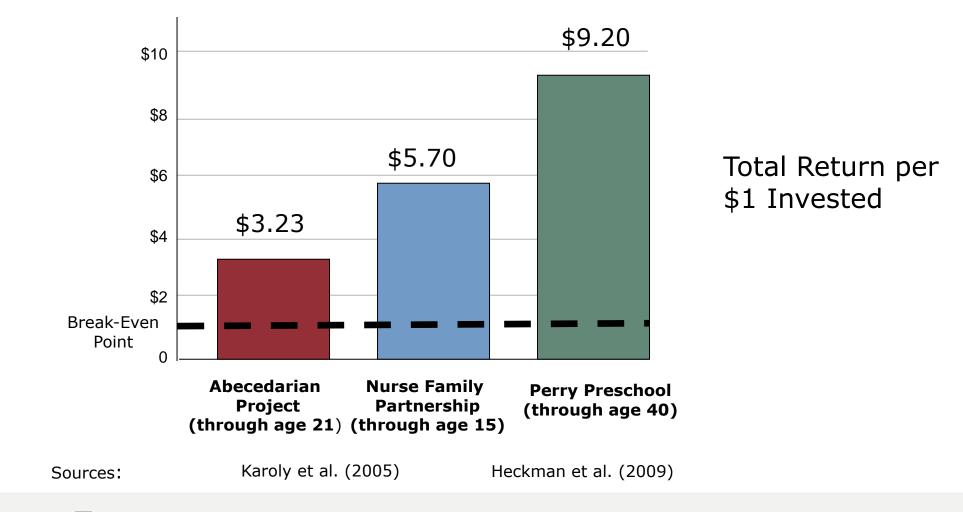
diversitydatakids.org

Leveraging ECD 2.0 to Re-Envision Science-Informed Early Childhood Policy

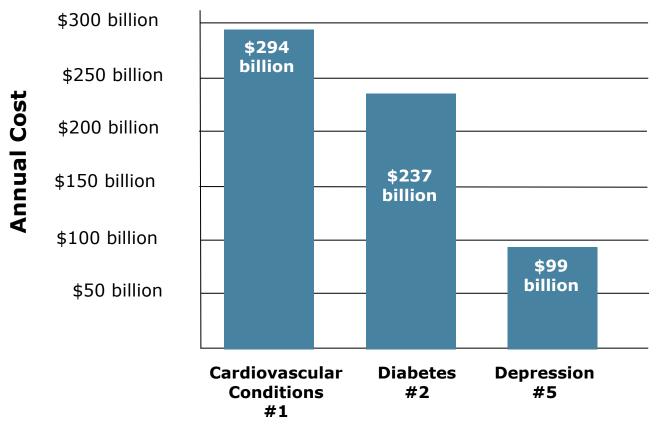
Cutting-Edge Science + Diversity of Lived Experiences + Public Will = Greater Impact

Long-Term Impacts of Model Early Childhood Programs Have Documented Substantial ROI

This includes education costs, economic productivity, and decreased incarceration.



Investments that Protect Developing Biological Systems from Excessive Adversity Have Potential to Generate Even Higher ROI



Take-Home Message:

Policies that support families and reduce hardships & trauma *during pregnancy and the first 2-3 years after birth* will generate significant savings in health care costs.

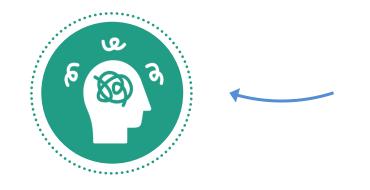
Sources: Waters, Graf (Milken Institute, 2018); Greenberg et al. (2015)

3 Science-Informed Principles to Increase the Impacts of Current Policies and Programs

by assuring implementation of evidence-based practices by personnel whose skills match the challenges they are expected to address.



Employ Multiple Strategies to Enhance Responsive Relationships

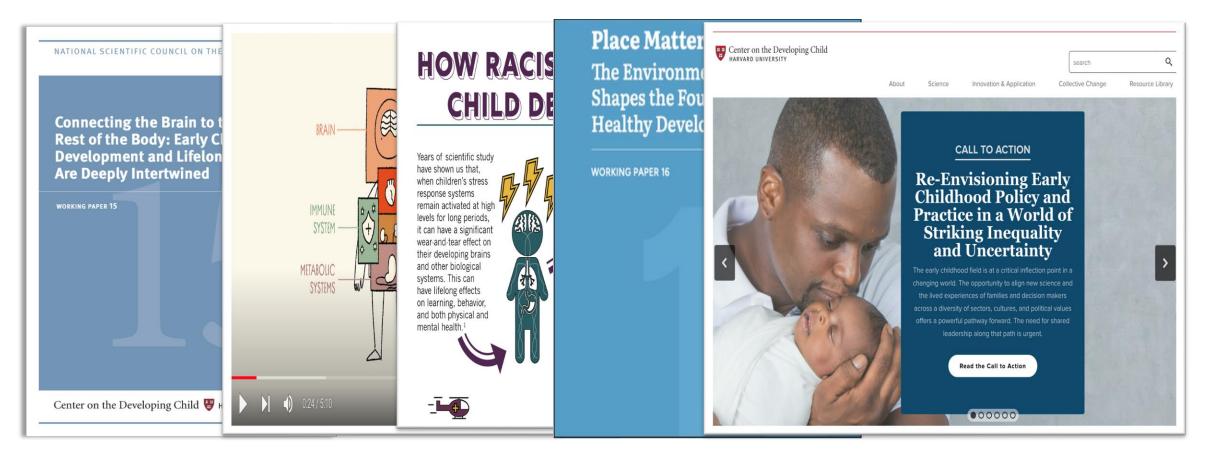


Reduce Sources of Excessive Adversity



Strengthen Skills for a Diversity of Contexts





www.developingchild.harvard.edu

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JOIN US

Prenatal-to-3 Networking Reception

Aug. 15 from 5:30-7:30 p.m. JW Marriott | Room 306



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