



Reimagining the Health Care of Children

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Financial Disclosure

Neither I nor my wife have a personal or professional financial relationship or interest in any proprietary entity producing healthcare goods or services.



The Traditional Doctor



Today's Doctor



Today's Doctor





Pediatrician = Protector of A Child's Future





Recent Advances in Medical & Social Science

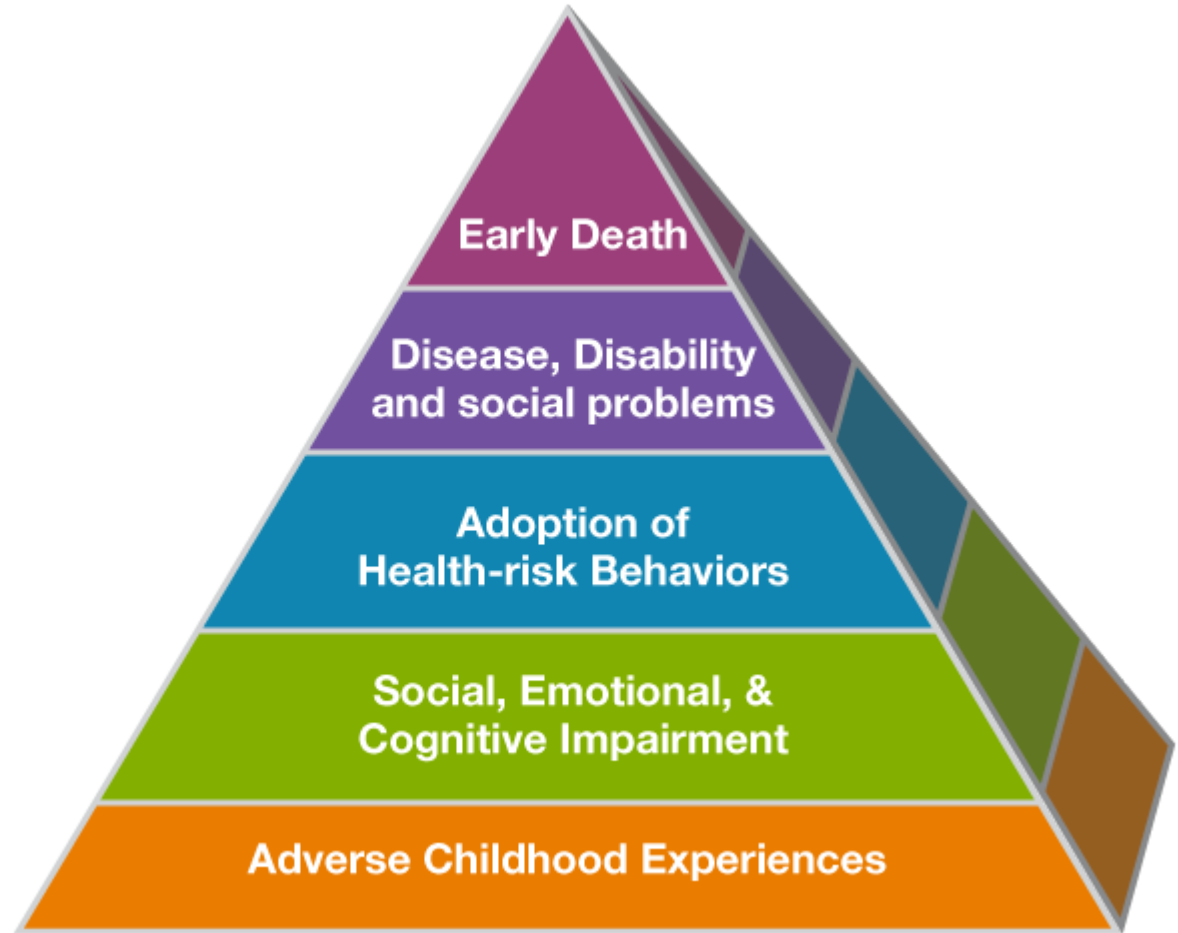
Adverse Childhood Experiences



Death



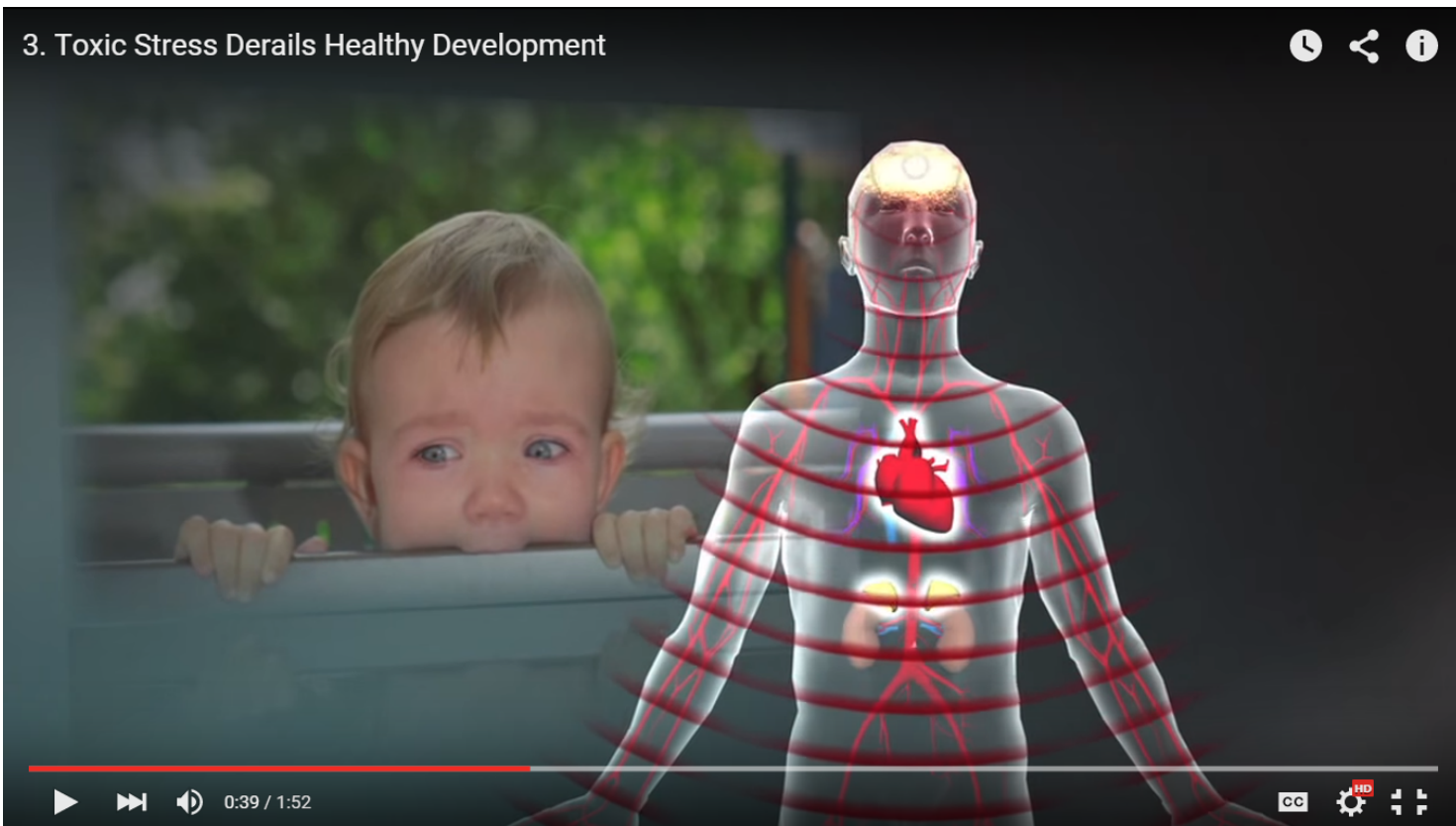
Birth



Toxic Stress in Early Childhood



3. Toxic Stress Derails Healthy Development



▶ ⏮ 🔊 0:39 / 1:52





The Achievement Gap



**Parents with more income and education vs.
poorer and less-educated peers**

Talk more to
their children

Are more
emotionally
engaged

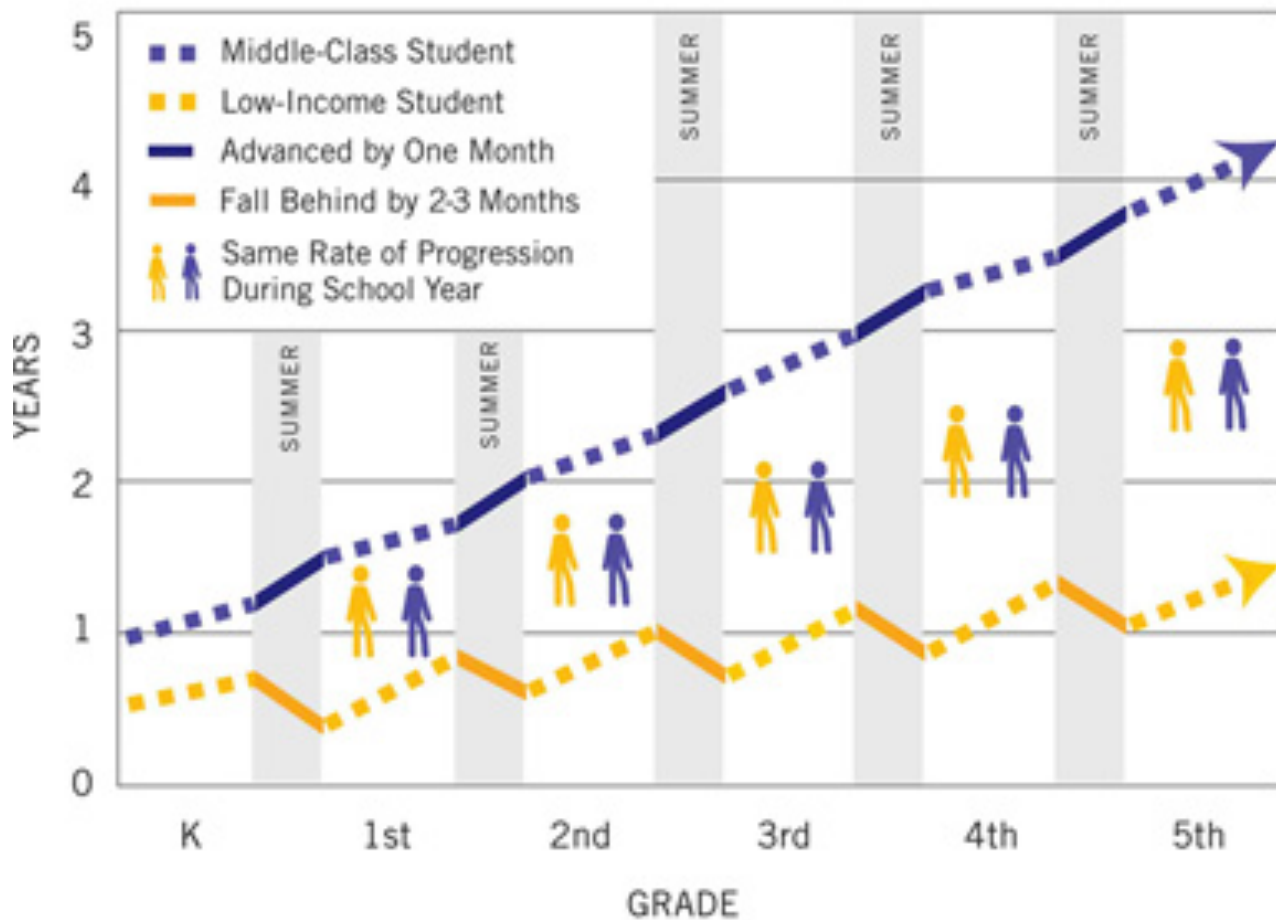
Ask children
more questions

Use less harsh and
punitive discipline
strategies

Use more varied
vocabulary



Low-Income Students Fall 2.5 to 3 Years Behind by Fifth Grade



Source: Cooper, H., Borman, G., & Fairchild, R. (2010). "School Calendars and Academic Achievement." In J. Meece & J. Eccles (Eds.), *Handbook of Research on Schools, Schooling, and Human Development* (pp. 342-355). Mahwah, NJ: Erlbaum.

Childhood Poverty



1 IN 5 CHILDREN LIVES IN POVERTY



Childhood Poverty



POVERTY HURTS

child poverty increases the risk of unemployment and adult poverty

by age 4 poor children have heard 30 million fewer words than well-off children

poor children are more likely to be hungry and less likely to have affordable quality health coverage

poor children are less likely to graduate from high school

The infographic features a central grey circle with the text 'POVERTY HURTS' in orange. Surrounding the circle are four black silhouettes: a crawling baby at the top, a standing adult on the left, a standing child on the right, and a standing child at the bottom. Each silhouette is accompanied by a text box in orange explaining a negative impact of poverty.

Poverty Linked to Genetic Changes

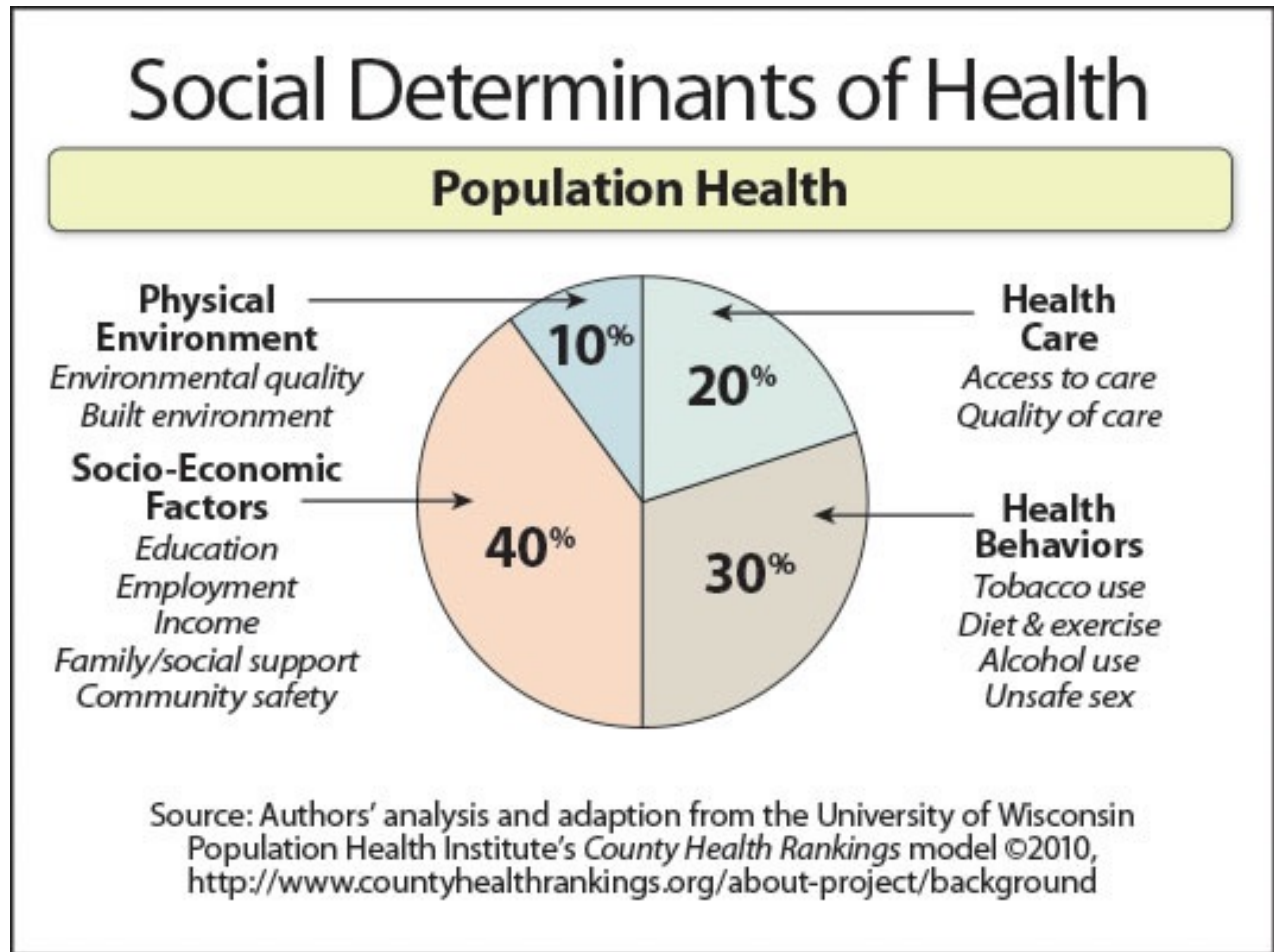
- Epigenetics – The study of changes in organisms caused by the modification of gene expression.





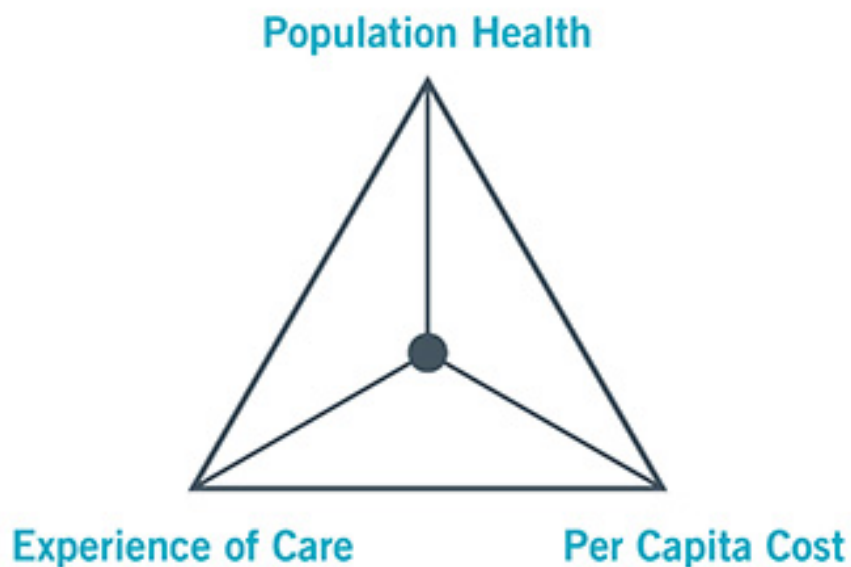
New Direction: Population Health

Social Determinants of Health



The Triple Aim of Health Care

The IHI Triple Aim



Berwick DM, Nolan TW, Whittington J. The **Triple Aim**: Care, health, and cost. *Health Affairs*. 2008 May/June;27(3):759-769

Population Health



A photograph of children looking out from a yellow train car. The children are smiling and looking towards the camera. The train car has a yellow patterned side panel.

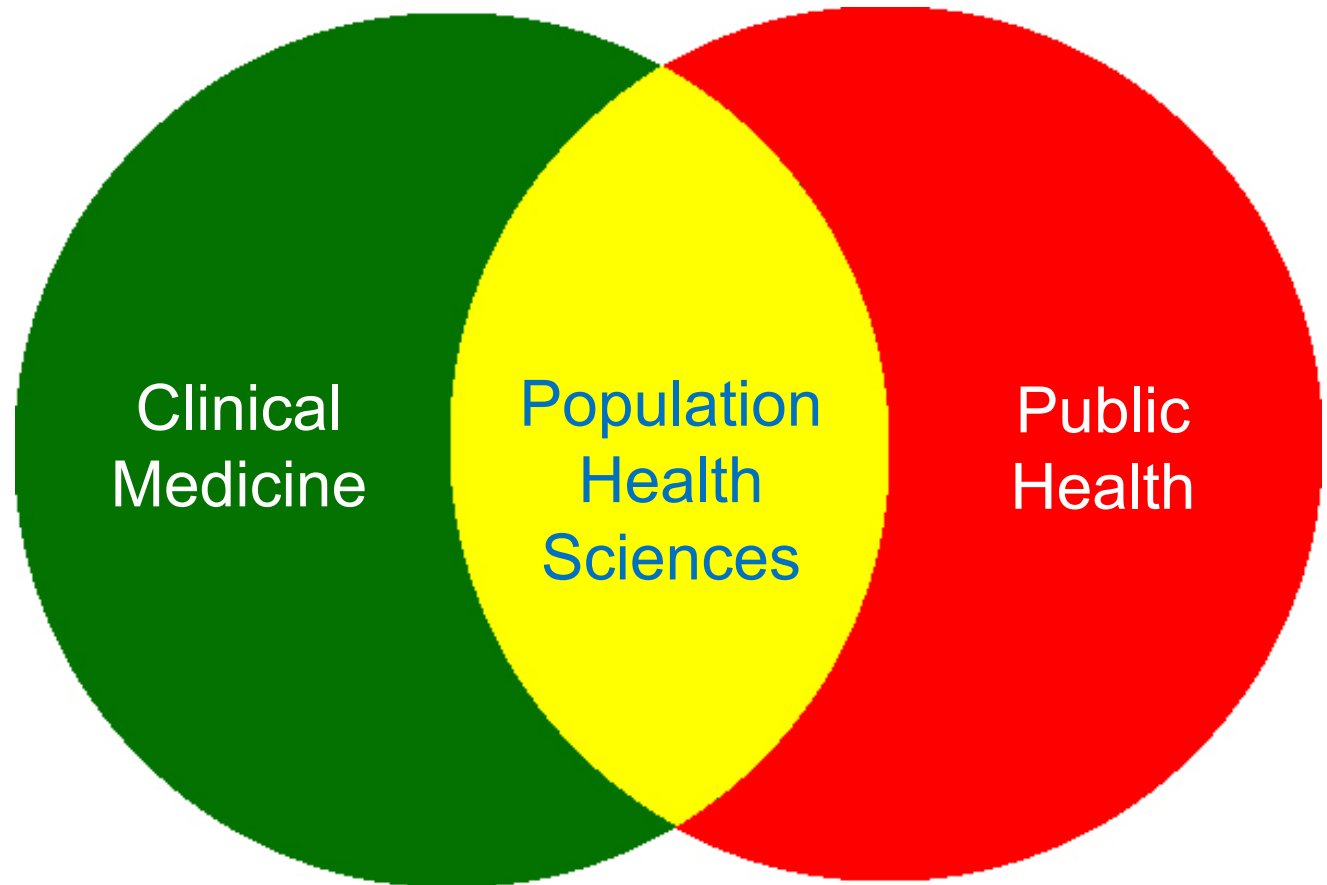
Population Health

“The health outcomes of a group of individuals, including the distribution of such outcomes within a group.” (Kindig and Stoddart 2003)

“The health of a population as measured by health status indicators and as influenced by social, economic, and physical environments, personal health practices, individual capacity and coping skills, human biology, early childhood development, and health services.” (Dunn and Hayes 1999)

“Conceptual framework for thinking about why some populations are healthier than others.” (Young 2005)

Population Health





Pediatricians Fighting Poverty



Pediatricians to begin screening kids for poverty

Doctors group hopes to reduce the health effects of being poor

(iStock)

By Erin Blakemore

March 9 at 5:22 AM CT

Pediatricians just declared war on child poverty.



FACE

POVERTY

Food Security

Access to Health Care

Community

Education

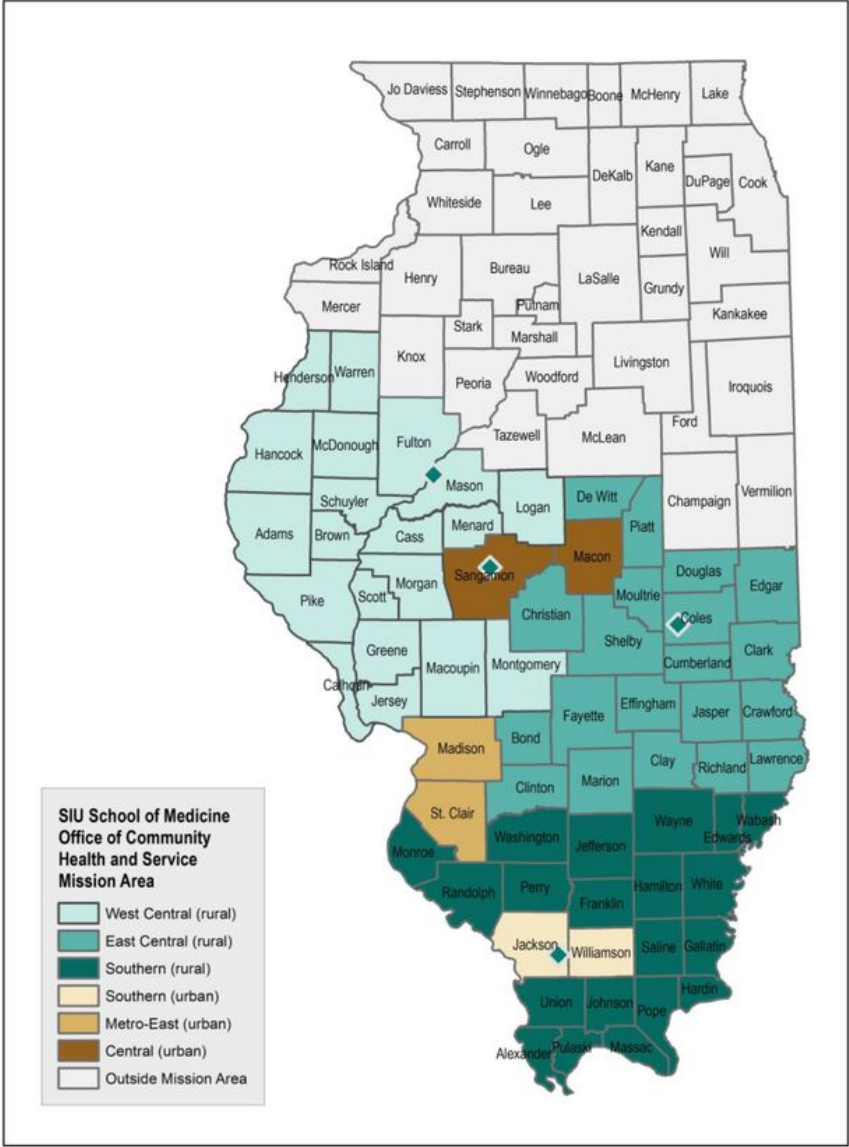


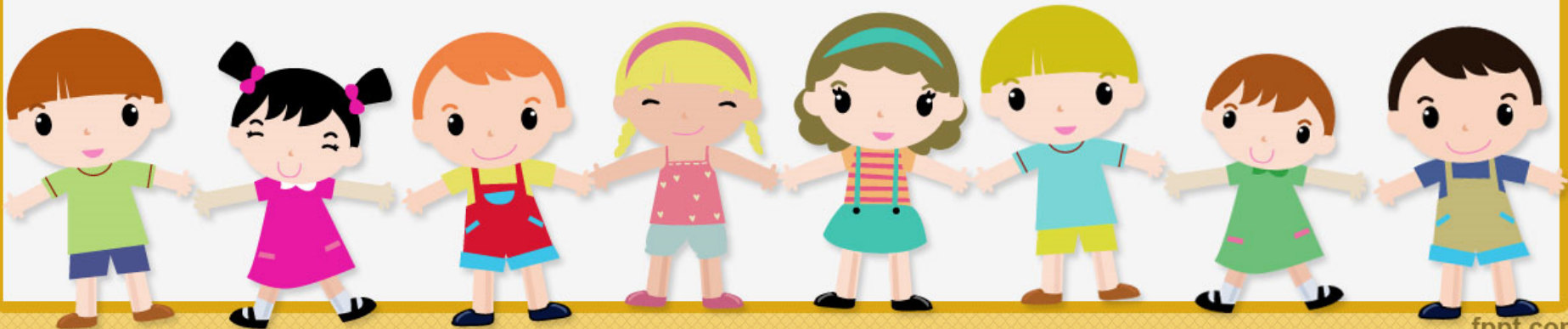
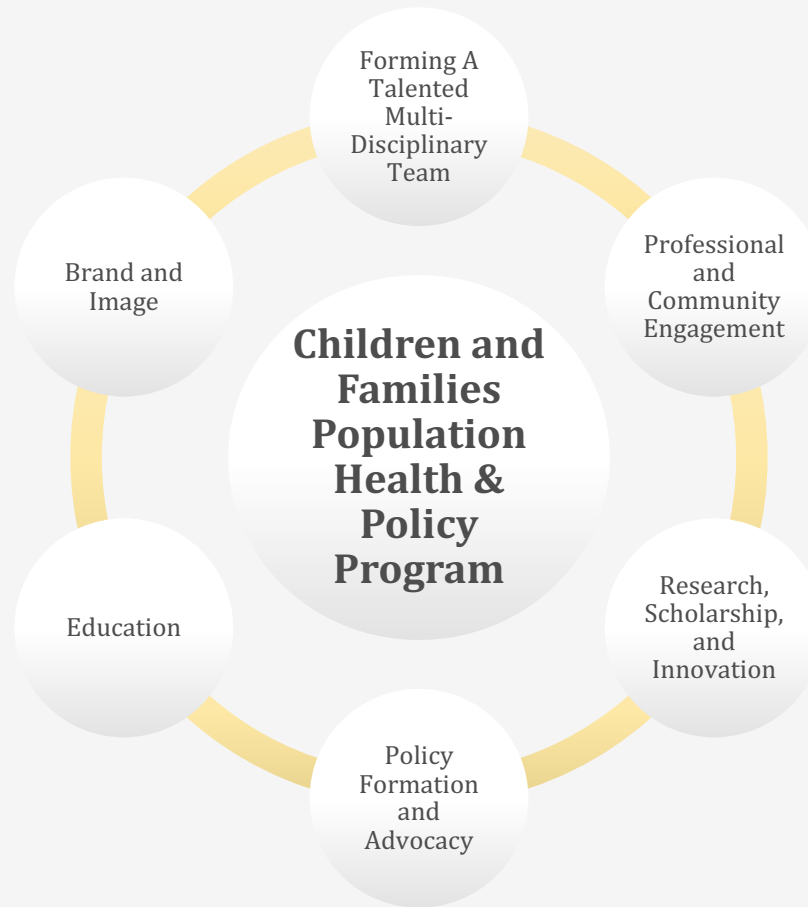
Center on the Developing Child
HARVARD UNIVERSITY



Children and Families
Population Health & Policy Program

SIU SOM Population Health Efforts





Pediatricians = Protectors of Children's Futures





Questions?

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